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RELATIVE AIRLIFT PROJECTION - INFANTRY DIVISIONS (RAPID MODEL).(U)
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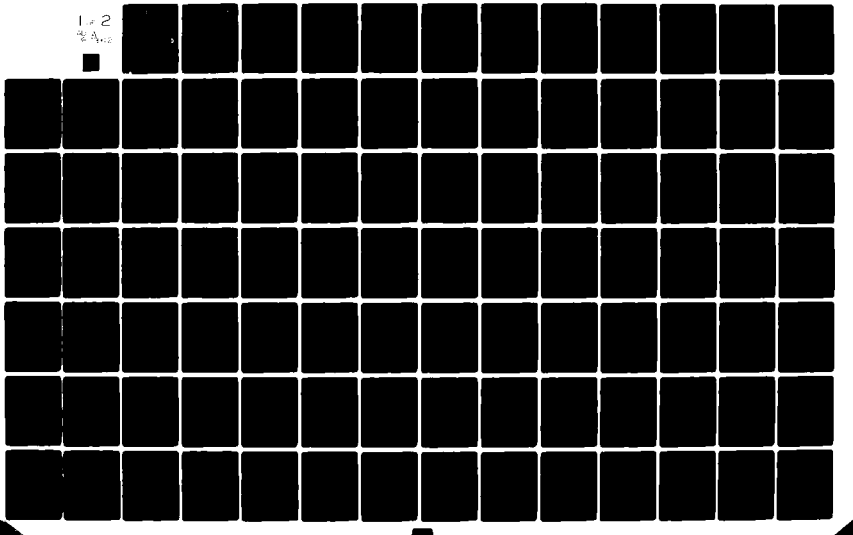

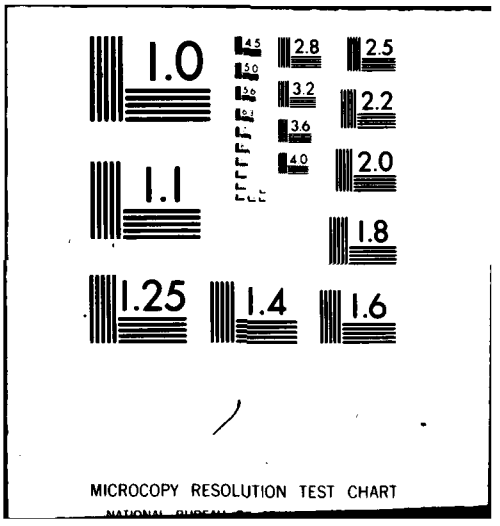
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April 1980

LEVEL II

TP 1-80

(2)

ACN 52955

RELATIVE AIRLIFT PROJECTION - INFANTRY DIVISIONS (RAPID) MODEL

TECHNICAL PAPER TP 1-80

UNITED STATES ARMY COMBINED ARMS CENTER

COMBINED ARMS STUDIES AND ANALYSIS ACTIVITY

STUDIES AND ANALYSIS DIRECTORATE

80-1392

(9) Technical Paper [illegible]-80
[illegible] 1980

(11) Apr 80

(12) 120

DIRECTORATE OF STUDIES AND ANALYSIS

US ARMY COMBINED ARMS STUDIES AND ANALYSIS ACTIVITY

FORT LEAVENWORTH, KANSAS 66027

(6) Relative Airlift Projection - Infantry Divisions (RAPID Model)

ACN 52955

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(14) CASAA-TP-1-80

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FOREWORD

RAPID is a family of programs that generates aircraft sorties and is designed to provide timely, front-end analysis of the many division proposals that were investigated for the Combined Arms Combat Developments Activity's Light Division 86 study (ACN 52955). It was employed as a screening tool prior to follow-on deployability analyses to be conducted by the Air Force's Military Airlift Command and the Army's Military Traffic Management Command. RAPID is designed to be operated on relatively simple, stand-alone computers that use the BASIC programming language.

The author of this report wishes to acknowledge Mr. Ronald G. Magee and Mr. Howard P. Haeker, whose support contributed significantly to the development of this model. Special thanks are given to the programming done by Mr. Jerry W. Griffin, CASAA, and to Mr. Paul Gardner and Mr. John Ballard of the Military Traffic Management Command, Transportation Engineering Agency for their assistance in generating the data base for the model. Finally, the tedious, but indispensable efforts of Mr. Jerome Scheele and SP4 Patrick M. Rasmussen, Media Assistance Office; Ms. Irene Sanders and Ms Susan Wood, CARL; and the Word Processing Center are gratefully acknowledged.

ABSTRACT

This paper describes the methodology, data base, and use of the family of programs whose purpose is to generate a projected aircraft sortie requirement for lifting the weapons, vehicles, and other rolling equipment of division-sized forces. The model was designed to support the screening exercise for the Combined Arms Combat Development Activity's Study, Light Division 86, in which many proposals were generated for forming a new division with greater firepower and deployability than current light divisions.

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1. PURPOSE. The purpose of this paper is to provide user-oriented documentation of a set of programs that allows calculation of the airlift required to deploy a division or similar sized force.

2. BACKGROUND.

a. The Light Division 86 Study. RAPID (Relative Airlift Projection - Infantry Divisions) is a deployability screening model. RAPID was developed specifically for the Combined Arms Combat Development Activity's (CACDA) Light Division 86 study, which addressed the family of US (dismounted) infantry, airborne, and airmobile divisions; the model has since been expanded to include the current heavy divisions as well. The study plan for Light Division 86 called for a Formulation Phase, in which "CACDA would conduct a screening exercise to reduce the alternatives to the smallest number consistent with studying how to add antiarmor capability to the light division." Several screening models were developed by CACDA in response to the plan, one of which was RAPID.

b. Characteristics. In response to these requirements, RAPID was developed to provide a timely, front-end analysis of many proposals for the objective division structure. Since airlift was a more sensitive deployment mode than sealift, RAPID was built to determine the airlift requirement for deploying the current and candidate divisions. Variables other than the number of sorties (e.g., aerial refueling versus landing en route, airfield restrictions, and the extent of airfleet mobilization) will influence deployment times; however, it was recognized that if these other variables were held constant for each force, the number of aircraft sorties is the key variable that relates directly to the force structure and how the force is equipped. RAPID was thus developed to project the number of aircraft sorties required to deploy each force and convert the answer into a simple expression of relative airlift requirement.

c. Methodology.

(1) General. RAPID was designed to make a sortie projection based on the critical major weapons, aircraft, vehicles and other rolling stock found in the forces of interest. These items can be identified from TRADOC's TOE mobility report, TEP 40 (Organization Directorate, Headquarters TRADOC). RAPID does not address passengers and other unit equipment directly, since the major impact is caused by the larger items.

(2) Data base. RAPID determines the number of aircraft required to lift all the items of a particular type of equipment in a force and then aggregates the total aircraft requirement for all types of equipment in the force. It employs a data base developed from TB-55-46-1, Standard Characteristics for Transportability of Military Vehicles and Other Outsize/Overweight Equipment. For developmental hardware items not yet in production or type classified, the Military Traffic Management Command

Transportation Engineering Agency, the proponents for TB-55-46-1, or the appropriate TRADOC System Manager (TSM) or proponent were employed as the source of dimensional and weight data. In addition, TM 55-450-10/2, Standard Loads in Air Force C141 Aircraft, and FM 55-13, Standard Loads in Air Force C5 Aircraft, were used for items that those manuals specifically address. (These standard loads were important for helicopters, trailers, towed artillery, and other items that can be arranged to allow more efficient loading.) The critical characteristics for up to 200 different items of equipment can be stored in the model, as well as the maximum quantity of each of those items that can be carried in a particular type of aircraft cabin. The dimensions are for the equipment after they have been configured for transport; i.e., after removable equipment such as canvas tops and rear-view mirrors have been removed. Cargo bays are loaded to the highest, non-reducible point, on cargo carrying trucks. The weight is also the reduced weight; however, the maximum cargo load weight is added to the weight of cargo vehicles. (In this way, large portions of other unit equipment are approximated in effect.) Appendix B, annex I, provides the current data base.

(3) Calculations. The quantity that can be carried on an aircraft is always determined by computing both the quantity that will fit in the length of the cabin and the quantity that meets the weight lifting capability of the aircraft (ACL, aircraft cabin load). The lesser of the two quantities is the maximum quantity that can be carried. The model was designed to always select a C141 if an item of equipment is capable of fitting that aircraft and only to select a C5 when the item will not fit a C141. This priority can be changed easily to select only C5s however. Once the total aircraft requirements for two or more forces have been determined, RAPID calculates the relative airlift requirement of the alternatives to the force that has been designated as the base. The relative airlift is calculated by converting each force's aircraft allocation into equivalent payload capabilities and comparing the results. The equivalent payload should not be confused with the load to be lifted by the aircraft. The allocated capability is always a greater measure than the load requirement, but the aircraft allocation is the real "cost" paid to deploy the force.

3. OVERVIEW. RAPID is a family of programs designed to quickly develop the airlift projection. All the component programs are written in BASIC but are designed to be interactive with the user so that the BASIC programming language need not be understood. Each program is discussed briefly below and in more detail in the following paragraphs. The overview is depicted in Figure 1.

a. Manual RAPID. The basic airlift requirement for each of two or more forces and the relative requirements of the forces are calculated by the version of RAPID called in this paper "manual RAPID". Manual RAPID also calculates the total weight and cube of the force being considered, as well as the weight and cube capacity of the projected airlift to meet

the requirement generated by the force. With manual RAPID, the quantity of each type of equipment must be interactively given from the keyboard.

b. Autoload RAPID. To eliminate time-consuming interactive processing for frequently compared division-size forces, autoload RAPID was developed. Autoload RAPID can access a force data file directly to obtain the quantity and type of each item in the force. As with manual RAPID, autoload RAPID calculates the airlift requirements for each force and the relative requirement of each. With autoload RAPID, however, the weight and cube report is not computed and the data file cannot be displayed.

c. FORCE BUILDER. This is a force generation program that allows the storage of unit equipment inventories for each type of unit on the magnetic storage devices. These units can then be accessed, multiplied, and aggregated into larger, "parent" units. The total quantities of vehicles and trailers for a variety of large forces can thus be quickly built from a library of type units. This program will normally be used as a preprocessor for manual RAPID and TRANSFORM.

d. TRANSFORM This short program is used to build a data file of the large forces that are developed from the FORCE BUILDER program and unit data files. The file that TRANSFORM creates can be loaded directly into autoload RAPID without manually loading each equipment type and quantity. This can be an advantage when division-sized forces are used repetitively as a base case or alternative force.

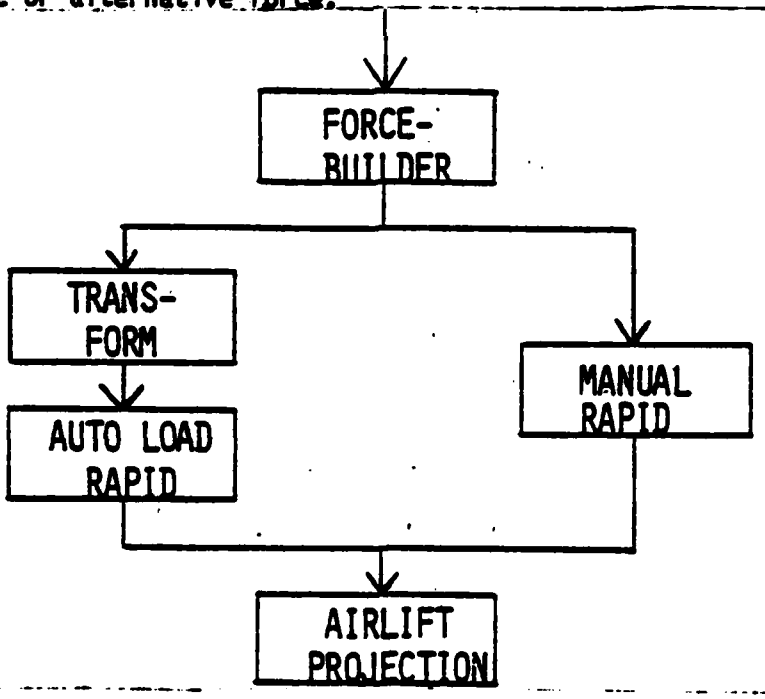

Figure 1. Overview.

4. MANUAL RAPID. This program allows the user to break the airlift projection process into three independent steps: building the data base, listing the data base (to review, verify, or change), and using the data base against an interactively loaded force to be deployed. The overall structure is displyed in figure 2. The coding is at appendix A, annex II. Prior to using the program, one or more files must be marked on the storage device to allow storage of 3,500 words of memory. After the program is loaded and begun, a series of questions will be asked of the user.

a. RAPID requires a data base consisting of the length, width, height (in inches), and weight (in pounds) of each different item of equipment in the force, as well as the number of the items that will fit in the appropriate aircraft. Up to 200 different items can be used. Appendix B, annex I provides the current data base. Normally this only has to be done once, since once the data have been loaded into memory, they can be stored on magnetic storage file or similar device. The user will be asked, in the following sequence, the equipment type number; its length, width, and height (in inches); its weight (in pounds); and the number that can be loaded on each aircraft. The process is repeated until all 200 items have been entered. The user is then asked to designate the file in which to store the data.

b. Once a data base has been loaded into memory, either by interactively building it or by accessing the storage device for a previously built data base, it may be reviewed by requesting a listing. This can also be used to document the data used for an airlift projection.

c. To obtain the airlift projection for two or more forces, a data base must first be loaded into memory either interactively (as in paragraph 4a) or from storage. The program will ask if a stored data base need be accessed. Normally the data will be stored and be generated this way. If interactive data have not been entered and the user desires a stored data file, the program will ask in which file it is stored and automatically access it. Next the user can elect to have the weight and cube summary of all the equipment either reported or suppressed. The user is then queried for the number of the force option to be loaded. Finally he loads the force by interactively entering each type equipment's number and the associated quantity of that item for the force. If no more items are to be entered, the program proceeds to compute the projection for that force. The user is then asked if another force has to be calculated, and the process can then be repeated until all comparisons are complete.

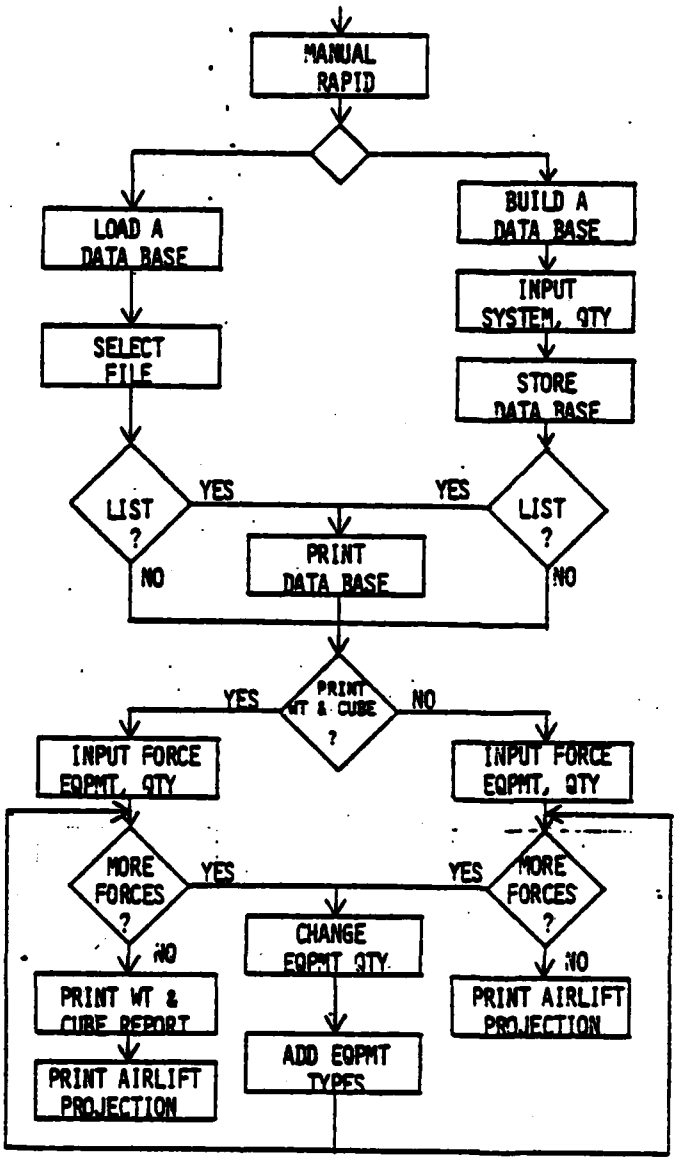

Figure 2. Manual RAPID Methodology.

5. AUTOLOAD RAPID. Autoload RAPID is a austere version of manual RAPID. It does not permit any of the operations except loading of a stored data base and computation of the airlift projection for one or more forces. The user is simply asked the data file for the force for which he desires to have a projection. Unlike manual RAPID, the data base accessed using autoload RAPID contains not only the equipment characteristics data but also the quantity of each type of equipment for that force. Therefore, the user will not have to input the item quantities interactively, resulting in a significant savings in time. As with manual RAPID, the user is asked if other forces have to be calculated, and the process can then be repeated until all comparisons are complete. Each force must have been first stored on a data file using the TRANSFORM program. The overall structure of autoload RAPID is presented in figure 3. The coding is at appendix A, annex III.

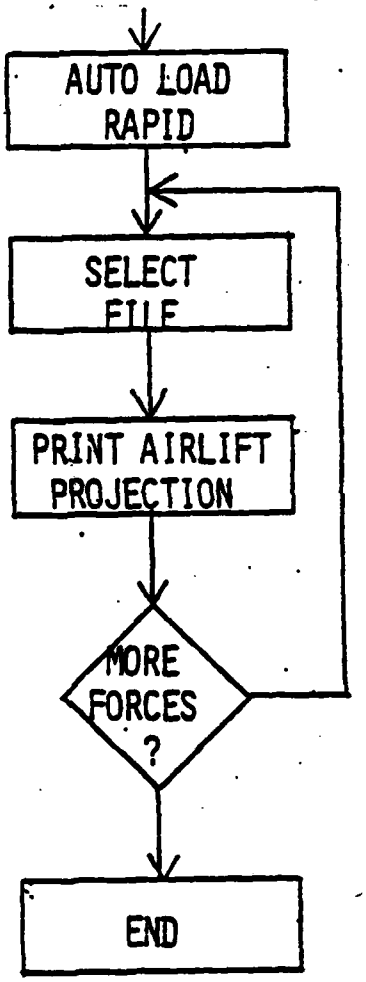

Figure 3. Autoload RAPID Methodology.

6. FORCEBUILDER. This program assists the user in determining the number of each equipment type in large forces by building the larger force from its component subordinate units. It allows the user to break the building process into three independent steps: building a unit, aggregating units into parent units, and listing previously stored units (to review, verify, or change them). The overall structure is displayed in figure 4. The coding is at appendix A, annex IV. Prior to using the program, files must be marked on a storage device to allow storage of 2,500 words of memory. After the program is loaded and begun, a series of questions will be asked of the user.

a. The first step in using FORCEBUILDER is to build, or enter into the machine, the units used to create the larger forces. After the user chooses to build a unit, the program will ask how many (type) units are to be built. Six units can be accommodated on one file. The intent of this feature is to allow the building of the component company-sized units of battalions and squadrons on one file. Most battalions have fewer than six types of companies in them. After designating the number of type units, the user is asked how many types of systems are in the first unit. This eliminates cycling through all 200 equipment types, when a unit is equipped with only a small fraction of types. The program continues by asking what equipment type is in the unit and the associated quantity. This is repeated until the number of equipment types that was given earlier by the user is reached. The additional units, if any, have been designated earlier and are treated the same way until all units have been built for that file. The user then is asked to label the data. This is usually the parent and the subordinate units just built; e.g., SRC 29005H000 (1=HHC, 2=S&S Co, 3=TMT Co). Finally, the user designates the number of the file in which the data and label are to be stored.

b. Once a unit data base has been built and stored, it may be reviewed by requesting a listing. To assist in the management of a large library of units, the program first requests the storage device and file numbers and prints them at the top of the listing that it produces.

c. From a library of previously built units, larger forces can easily be created when the user selects to build a parent. This feature is central to FORCEBUILDER. Its intent is to permit the pyramiding of unit multiples into larger forces and the aggregation and numeric ordering of all the equipment types of the subordinate units into one unit listing that can then be labeled and stored to become part of the next level of organization. As in unit building, six parents can be accommodated on one file. After selecting to build a parent, the program will ask how many parents are to be built. After designating the number of parents, the user is asked to give the file number for the units that are to be aggregated. The file is then accessed and data entered into memory. The user is asked how many of the first unit of the file are in the new

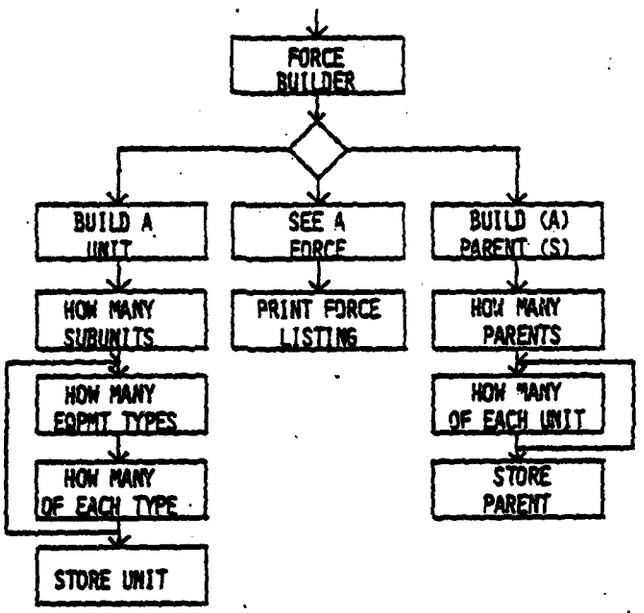

Figure 4. FORCEBUILDER Methodology.

parent. When the user responds, the quantities of each equipment type are multiplied by the response that was given and listed. The process is repeated for all the units in the file. After the last unit, the quantities of each equipment type for all the units are aggregated and ordered into one listing. The process is repeated for as many parents as were given at the beginning of the routine. After the last new parent has been listed, the user is asked to label the data as was done in building a basic unit. Finally, the user designates the number of the file in which the data and label are to be stored.

7. TRANSFORM. As large forces are developed, it becomes increasingly time consuming to interactively load the quantities of their equipment types into manual RAPID. If certain forces are repeatedly used, the time can be reduced significantly by using TRANSFORM to make a single data file for autoload RAPID with both the equipment characteristics and the quantities of each in a force. The overall structure is displayed in figure 5. The coding is at appendix A, annex V. Prior to using, the program files must be marked on a storage device to allow storage of 3,500 words of memory. After the program is loaded and begun the user is asked to load the data base. The data base should be the desired equipment

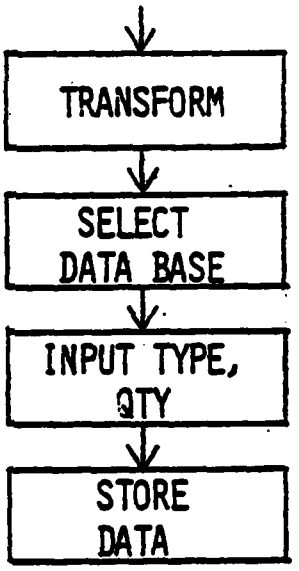

Figure 5. TRANSFORM Methodology.

characteristic file created and stored for manual RAPID. When the user designates the file, the characteristics are loaded into memory. The program proceeds to ask the user the equipment item numbers and quantities for the desired force. After the last entry, the user is asked to label the data as was done in the FORCEBUILDER program. Finally, the user designates the number of the file in which the data and label are to be stored.

Appendix A

Program Coding

A-1. This appendix gives the coding for each of the four rapid programs discussed in the paper. Each is coded in BASIC. The program variables are common in all programs and are listed in annex A-I.

Appendix A
Annex I
Program Variables

NAME	VARIABLES
A,B	User program instruction.
A(200), A(6,200)	Equipment type number by unit.
C	Total cube for all equipment of one type in one force.
C1	Total cube for all equipment of all types in one force.
D	Number of (C141s) required.
D(200)	Number of an equipment type per (C141).
E	Number of (C5s) required.
E(200)	Number of an equipment type per (C5).
F	Data file number.
G	Width (girth) of an equipment type in feet.
G(200)	Width (girth) of an equipment type in inches.
H	Height of an equipment type in feet.
H(200)	Height of an equipment type in inches.
I,J,K	Counters for units, parents, equipment types.
L	Length of an equipment type in feet.
L(200)	Length of an equipment type in inches.
N	Number of equipment types.
P	Number of parent units to be created.
Q	Quantity of an equipment type in a unit.
Q(200), Q(6,200)	Quantity of equipment type in a unit or force.
R	Total (C141) requirement.
R(200)	Number of (C141s) required for an equipment type.
S	Total (C5) requirement.
S(200)	Number of (C5s) required for an equipment type.
S(6,200)	Quantity of an equipment type in a unit or force requested by user.
T	(Tape) Magnetic storage device number.
T(6,200)	Temporary storage of the total quantity of an equipment type in a new parent.
U	Number of units stored on a file magnetic storage device.
U(1)	Weight capacity of (C141).
U(2)	Weight capacity of (C5).
U(3)	Cube capacity of (C141).
U(4)	Cube capacity of (C5).
W	Total weight of all equipment of one equipment type.
W1	Total weight for all equipment of all equipment types.
W(200)	Weight of an equipment type in pounds.
X	Multiplier for units.

NAME	VARIABLES
X1	Weight capability of all required (C141s).
X2	Cube capability of all (C141s).
X3	Weight capability of all (C5s).
X4	Cube capability of all (C5s).
X5, X7	Total weight capability of all types of required aircraft.
X6, X8	Total cube capability of all types of required aircraft.
Y	Force structure number.
Z	Equipment type number requested by user.
Z(200)	Equipment type number requested by user.
Z(6,200)	Equipment type number by unit requested by user.

Appendix A

Annex II

Manual RAPID

```
10 COM A[200],WS[200],L[200],G[200],H[200],DI[200],EI[200],US[4],N$[100]
20 DIM QI[200],RI[200],SI[200],ZI[200],CS[200]
30 DISP "DEPLOYABILITY MODEL"
40 WAIT 1000
50 N=200
60 DISP "WHICH TAPE#";
70 INPUT T
80 DISP "BUILD A DATA BASE ?(YES=1,NO=0)  ";
90 INPUT A
100 IF A=0 THEN 120
110 GOSUB 1470
120 DISP "LIST THE DATABASE(YES=1,NO=0)";
130 INPUT B
140 DISP "LOAD DATABASE?(YES=1,NO=0)        ";
150 INPUT A
160 IF A=0 THEN 200
170 DISP "WHICH FILE  #";
180 INPUT F
190 LOAD  DATA F
200 IF B=1 THEN 220
210 GOTO 240
220 GOSUB 1650
230 GOTO 260
240 PRINT
250 PRINT
260 DISP "PRINT WEIGHT & CUBE(YES=1,NO=0)";
270 INPUT B
280 DISP "GIVE FORCE STRUCTURE #";
290 INPUT Y
300 DISP "GIVE NAME AND SRC";
310 INPUT N$
320 PRINT
330 PRINT
340 PRINT TAB(25)"ALTERNATIVE FORCE STRUCTURE"Y
350 PRINT
360 PRINT N$
370 PRINT "TAPE",T
380 PRINT "FILE",F
390 IF B=0 THEN 400
400 FOR J=1 TO N
410 Q[J]=0
420 Z[J]=0
430 NEXT J
440 DISP "WHAT IS WPN TYPE #(999=STOP)";
450 INPUT Z
460 IF Z=999 THEN 550
470 FOR J=1 TO N
480 IF J=Z THEN 500
490 GOTO 530
500 DISP "HOW MANY SYSTEM #"A[J];
510 Z[J]=Z
520 INPUT Q[J]
530 NEXT J
540 GOTO 440
550 IF B=0 THEN 570
```

```
550 IF B=0 THEN 570
560 GOSUB 1790
570 GOTO 580
580 PRINT
590 PRINT TAB(28)"AIRCRAFT REQUIREMENTS"
600 R=S=0
610 PRINT
620 PRINT TAB(8)"SYSTEM #"TAB(25)"QTY"TAB(40)"ITEM/C-141"TAB(60)"C-141S"
630 FOR J=1 TO N
640 IF Z[J]#0 THEN 660
650 GOTO 720
660 IF D[J]=0 THEN 720
670 D=Q[J]/D[J]
680 R[J]=-INT(-D)
690 R=R+R[J]
700 WRITE (15,710)A[J],Q[J],D[J],R[J]
710 FORMAT 9X,F4.0,11X,F4.0,14X,F4.0,15X,F4.0
720 NEXT J
730 PRINT TAB(62)"--------"
740 WRITE (15,750)R
750 FORMAT 47X,"TOTAL C-141:",F6.0
760 PRINT
770 PRINT
780 PRINT TAB(8)"SYSTEM #"TAB(25)"QTY"TAB(41)"ITEM/C-5"TAB(62)"C-5S"
790 FOR J=1 TO N
800 IF Z[J]#0 THEN 820
810 GOTO 880
820 IF D[J]#0 THEN 880
830 E=Q[J]/E[J]
840 S[J]=-INT(-E)
850 S=S+S[J]
860 WRITE (15,870)A[J],Q[J],E[J],S[J]
870 FORMAT 9X,F4.0,11X,F4.0,14X,F4.0,16X,F4.0
880 NEXT J
890 PRINT TAB(62)"--------"
900 WRITE (15,910)S
910 FORMAT 51X,"TOTAL C-5:",F4.0
920 PRINT
930 PRINT
940 X1=R*U[1]
950 X2=R*U[3]
960 X3=S*U[2]
970 X4=S*U[4]
980 IF Y=1 THEN 1020
990 X5=X1+X3
1000 X6=X2+X4
1010 GOTO 1050
1020 X7=X1+X3
1030 X8=X2+X4
1040 GOTO 990
1050 WRITE (15,1060)U[1]*R+U[2]*S
1060 FORMAT 26X,"TOTAL WT. CAPACITY:",F10.0
1070 WRITE (15,1080)X5/X7
1080 FORMAT 23X,"RELATIVE WT. CAPACITY:",F10.2
1090 PRINT
1100 WRITE (15,1110)U[3]*R+U[4]*S
```

```
1120 WRITE (15,1130)X6/X8
1130 FORMAT 22X,"RELATIVE CUBE CAPACITY:",F10.2
1140 DISP "MORE FORCE STRUCTURES(YES=1,NO=0)";
1150 INPUT A
1160 IF A=1 THEN 1180
1170 GOTO 1460
1180 DISP "GIVE FORCE STRUCTURE #";
1190 INPUT Y
1200 DISP "GIVE NAME AND SRC";
1210 INPUT N$
1220 PRINT
1230 PRINT
1240 PRINT TAB(25)"ALTERNATIVE FORCE STRUCTURE"Y
1250 PRINT
1260 PRINT N$
1270 FOR J=1 TO N
1280 IF Z[J]=0 THEN 1310
1290 DISP "CHANGE THE QUANTITY OF"Z[J];
1300 INPUT Q[J]
1310 NEXT J
1320 DISP "ADD NEW SYSTEMS(YES=1,NO=0)";
1330 INPUT A
1340 IF A=0 THEN 550
1350 DISP "WHAT IS WPN TYPE #(999=STOP)";
1360 INPUT Z
1370 IF Z=999 THEN 550
1380 FOR J=1 TO N
1390 IF J=Z THEN 1410
1400 GOTO 1440
1410 DISP "HOW MANY SYSTEM #"A[J];
1420 Z[J]=Z
1430 INPUT Q[J]
1440 NEXT J
1450 GOTO 1350
1460 END
1470 REMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1480 FOR J=1 TO N
1490 DISP "GIVE SYSTEM #,WT,L,W & H FOR",J;
1500 INPUT A[J],W[J],L[J],G[J],H[J]
1510 DISP "GIVE QTY/C141 & C5 FOR",J;
1520 INPUT D[J],E[J]
1530 NEXT J
1540 DISP "GIVE WT. CAP. OF C-141 & C5";
1550 WAIT 2500
1560 INPUT U[1],U[2]
1570 DISP "GIVE WT. CAP. OF C-5"
1580 DISP "GIVE CUBE CAP. OF C-141 & C5";
1590 INPUT U[3],U[4]
1600 DISP "STORE DATA IN WHICH FILE";
1610 INPUT F
1620 STORE  DATA F
1630 F=0
1640 RETURN
```

```
1650 REMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1660 PRINT "TAPE";T
1670 PRINT
1680 PRINT "FILE";F
1690 PRINT TAB(23)"COMBAT SYSTEM DEPLOYABILITY DATA"
1700 PRINT
1710 PRINT TAB(30)"DIMENSION"TAB(63)"FIT"
1720 PRINT TAB(19)"------------------------------"TAB(57)"-------------"
1730 PRINT "     SYSTEM #        L        W        H        WT        C-141     (
1740 FOR J=1 TO N
1750 WRITE (15,1760)A[J],L[J],G[J],H[J],W[J],D[J],E[J]
1760 FORMAT 6X,F4.0,8X,F6.1,3X,F6.1,3X,F6.1,3X,F7.0,7X,F3.0,4X,F3.0
1770 NEXT J
1780 RETURN
1790 REMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1800 W1=C1=0
1810 PRINT TAB(33)"WEIGHT SUMMARY"
1820 PRINT
1830 PRINT TAB(9)"SYSTEM #"TAB(25)"QTY"TAB(40)"WT./ITEM"TAB(62)"WEIGHT"
1840 FOR J=1 TO N
1850 W=Q[J]*W[J]
1860 IF Q[J]=0 THEN 1900
1870 WRITE (15,1880)A[J],Q[J],W[J],W
1880 FORMAT 9X,F4.0,11X,F4.0,10X,F10.0,10X,F10.0
1890 W1=W1+W
1900 NEXT J
1910 PRINT TAB(59)"----------"
1920 WRITE (15,1930)W1
1930 FORMAT 49X,"TOTAL WT:",F10.0
1940 PRINT
1950 PRINT
1960 PRINT TAB(33)"CUBE SUMMARY"
1970 PRINT
1980 PRINT TAB(9)"SYSTEM #"TAB(25)"QTY"TAB(40)"CUBE/ITEM"TAB(65)"CUBE"
1990 FOR J=1 TO N
2000 IF Q[J]=0 THEN 2090
2010 L=L[J]/12
2020 G=G[J]/12
2030 H=H[J]/12
2040 C[J]=L*G*H
2050 C=Q[J]*C[J]
2060 WRITE (15,2070)A[J],Q[J],C[J],C
2070 FORMAT 9X,F4.0,11X,F4.0,11X,F10.1,9X,F11.1
2080 C1=C1+C
2090 NEXT J
2100 PRINT TAB(60)"-----------"
2110 WRITE (15,2120)C1
2120 FORMAT 47X,"TOTAL CUBE:",F11.1
2130 PRINT
2140 RETURN
```

Appendix A

Annex III

Autoload RAPID

```
10 COM A1[200],QS[200],L[200],G[200],H[200],DI[200],EI[200],US[4],N$[100]
20 DIM R1[200],S1[200]
30 DISP "DEPLOYABILITY MODEL"
40 WAIT 1000
50 N=200
60 DISP "WHICH TAPE";
70 INPUT T
80 DISP "LOAD FORCE(INPUT FILE #)";
90 INPUT F
100 LOAD  DATA F
110 DISP "GIVE FORCE STRUCTURE #";
120 INPUT Y
130 PRINT
140 PRINT
150 PRINT TAB(25)"ALTERNATIVE FORCE STRUCTURE"Y
160 PRINT
170 PRINT N$
180 PRINT "TAPE",T
190 PRINT "FILE",F
200 PRINT
210 PRINT
220 PRINT TAB(28)"AIRCRAFT REQUIREMENTS"
230 R=S=0
240 PRINT
250 PRINT TAB(8)"SYSTEM #"TAB(25)"QTY"TAB(40)"ITEM/C-141"TAB(60)"C-141S"
260 FOR J=1 TO N
270 IF Q[J]#0 THEN 290
280 GOTO 350
290 IF D[J]=0 THEN 350
300 D=Q[J]/D[J]
310 R[J]=-INT(-D)
320 R=R+R[J]
330 WRITE (15,340)A[J],Q[J],D[J],R[J]
340 FORMAT 9X,F4.0,11X,F4.0,14X,F4.0,15X,F4.0
350 NEXT J
360 PRINT TAB(60)"--------"
370 WRITE (15,380)R
380 FORMAT 47X,"TOTAL C-141:",F6.0
390 PRINT
400 PRINT
410 PRINT TAB(8)"SYSTEM #"TAB(25)"QTY"TAB(41)"ITEM/C-5"TAB(62)"C-5S"
420 FOR J=1 TO N
430 IF Q[J]#0 THEN 450
440 GOTO 510
450 IF D[J]#0 THEN 510
460 E=Q[J]/E[J]
470 S[J]=-INT(-E)
480 S=S+S[J]
490 WRITE (15,500)A[J],Q[J],E[J],S[J]
500 FORMAT 9X,F4.0,11X,F4.0,14X,F4.0,15X,F4.0
510 NEXT J
520 PRINT TAB(60)"--------"
530 WRITE (15,540)S
540 FORMAT 51X,"TOTAL C-5:",F4.0
550 PRINT
```

```
560 PRINT
570 X1=R*U[1]
580 X2=R*U[3]
590 X3=S*U[2]
600 X4=S*U[4]
610 IF Y=1 THEN 650
620 X5=X1+X3
630 X6=X2+X4
640 GOTO 680
650 X7=X1+X3
660 X8=X2+X4
670 GOTO 620
680 WRITE (15,690)U[1]*R+U[2]*S
690 FORMAT 26X,"TOTAL WT. CAPACITY:",F10.0
700 WRITE (15,710)X5/X7
710 FORMAT 23X,"RELATIVE WT. CAPACITY:",F10.2
720 PRINT
730 WRITE (15,740)U[3]*R+U[4]*S
740 FORMAT 25X,"TOTAL CUBE CAPACITY:",F10.0
750 WRITE (15,760)X6/X8
760 FORMAT 22X,"RELATIVE CUBE CAPACITY:",F10.2
770 DISP "MORE FORCE STRUCTURES(YES=1,NO=0)";
780 INPUT A
790 IF A=0 THEN 960
800 DISP "GIVE FORCE STRUCTURE #";
810 INPUT Y
820 PRINT
830 PRINT
840 DISP "WHICH TAPE";
850 INPUT T
860 PRINT TAB(25)"ALTERNATIVE FORCE STRUCTURE"Y
870 PRINT
880 DISP "LOAD FORCE(INPUT FILE #)";
890 INPUT F
900 LOAD  DATA F
910 PRINT N$
920 PRINT "TAPE",T
930 PRINT "FILE",F
940 PRINT
950 GOTO 210
960 END
```

Appendix A

Annex IV

FORCEBUILDER

```
10 COM A[6,200],Q[6,200],U,N$[100]
20 DIM Z[6,200],S[6,200],T[200]
30 N=200
40 DISP "BUILD A NEW UNIT(YES=1,NO=0)";
50 INPUT A
60 IF A=0 THEN 80
70 GOSUB 180
80 DISP "SEE A UNIT?          (YES=1,NO=0)";
90 INPUT A
100 IF A=0 THEN 120
110 GOSUB 620
120 DISP "BUILD A PARENT UNIT(YES=1,NO=0)";
130 INPUT A
140 IF A=0 THEN 160
150 GOSUB 830
160 END
170 REMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
180 U=F=0
190 DISP "HOW MANY UNITS(<7)FOR THIS FILE";
200 INPUT U
210 FOR I=1 TO U
220 PRINT "UNIT",I
230 DISP "# TYPES OF SYSTEMS/UNIT",I;
240 INPUT Q
250 PRINT " SYSTEM","QTY"
260 PRINT
270 FOR J=1 TO Q
280 DISP "INPUT NEXT SYSTEM NUMBER";
290 INPUT Z[I,J]
300 DISP "HOW MANY",Z[I,J];
310 INPUT S[I,J]
320 PRINT Z[I,J],S[I,J]
330 NEXT J
340 PRINT
350 FOR K=1 TO N
360 A[I,K]=0
370 Q[I,K]=0
380 NEXT K
390 FOR J=1 TO Q
400 FOR K=1 TO N
410 IF K=Z[I,J] THEN 430
420 GOTO 460
430 A[I,K]=K
440 Q=S[I,J]
450 Q[I,K]=Q
460 NEXT K
470 NEXT J
480 FOR K=1 TO N
490 IF Q[I,K]=0 THEN 510
500 PRINT K,Q[I,K]
510 NEXT K
520 PRINT
530 NEXT I
540 DISP "INPUT  UNIT NAME AND SRC";
550 INPUT N$
```

```
560 DISP "STORE IN WHICH DATA FILE";
570 INPUT F
580 STORE  DATA F
590 RETURN
600 REMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
610 U=F=T=0
620 DISP "WHICH TAPE";
630 INPUT T
640 PRINT "TAPE",T
650 DISP "WHICH FILE";
660 INPUT F
670 LOAD  DATA F
680 PRINT "FILE",F
690 PRINT N$
700 PRINT
710 FOR I=1 TO U
720 PRINT "SUBUNIT",I
730 PRINT "SYSTEM","QTY"
740 FOR J=1 TO N
750 IF Q[I,J]=0 THEN 770
760 PRINT A[I,J],Q[I,J]
770 NEXT J
780 PRINT
790 NEXT I
800 RETURN
810 REMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
820 U=F=T=0
830 DISP "HOW MANY PARENT UNITS TO BUILD";
840 INPUT P
850 FOR K=1 TO P
860 DISP "WHICH TAPE";
870 INPUT T
880 PRINT "TAPE",T
890 DISP "WHICH DATA FILE";
900 INPUT F
910 LOAD  DATA F
920 PRINT
930 PRINT "FILE",F
940 PRINT N$
950 FOR I=1 TO U
960 DISP "HOW MANY OF UNIT",I;
970 INPUT X
980 PRINT
990 WRITE (15,1000)X,I
1000 FORMAT F3.0," X SUBUNIT",F2.0
1010 PRINT
1020 PRINT "SYSTEM","QTY"
1030 FOR J=1 TO 200
1040 IF Q[I,J]=0 THEN 1070
1050 Q[I,J]=Q[I,J]*X
1060 PRINT J,Q[I,J]
1070 NEXT J
1080 PRINT
1090 NEXT I
1100 PRINT "TOTAL FOR NEW PARENT";K
```

```
1110 PRINT "SYSTEM","QTY"
1120 FOR I=1 TO 6
1130 FOR J=1 TO N
1140 T[J]=0
1150 NEXT J
1160 FOR I=1 TO U
1170 FOR J=1 TO N
1180 T[J]=T[J]+Q[I,J]
1190 Z[K,J]=J
1200 S[K,J]=T[J]
1210 REM TROUBLE=IF T[J]=0 THEN 790XXXXXXXXXXXXX
1220 REM TROUBLE=PRINT Z[K,J],S[K,J]XXXXXXXXXXXXX
1230 NEXT J
1240 NEXT I
1250 FOR J=1 TO N
1260 IF T[J]=0 THEN 1280
1270 PRINT Z[K,J],S[K,J]
1280 NEXT J
1290 NEXT K
1300 FOR K=1 TO P
1310 FOR J=1 TO N
1320 A[K,J]=Z[K,J]
1330 Q[K,J]=S[K,J]
1340 NEXT J
1350 NEXT K
1360 U=P
1370 DISP "INPUT NEW UNIT LABEL AND SRC";
1380 INPUT N$
1390 DISP "STORE IN WHICH DATA FILE";
1400 INPUT F
1410 STORE  DATA F
1420 RETURN
```

Appendix A

Annex V

TRANSFORM

```
10 COM [illegible][200],QS[200],L[200],G[200],H[200],DI[200],EI[200],US[4],N$[100]
20 DIM Z[200],S[200]
30 DISP "WHAT RAPID DATA FILE(FOR EQ CHARACTERISTICS)";
40 INPUT F
50 LOAD  DATA F
60 FOR J=1 TO 200
70 Q[J]=0
80 Z[J]=0
90 NEXT J
100 FOR J=1 TO 200
110 DISP "INPUT SYSTEM #, QTY(999=STOP)";
120 INPUT Z[J],S[J]
130 IF Z[J]=999 THEN 150
140 NEXT J
150 FOR J=1 TO 200
160 IF Z[J]#0 THEN 180
170 GOTO 260
180 FOR K=1 TO 200
190 IF K=Z[J] THEN 210
200 GOTO 250
210 A[K]=K
220 Q=S[J]
230 Q[K]=Q
240 GOTO 260
250 NEXT K
260 NEXT J
270 FOR J=1 TO 200
280 IF Q[J]=0 THEN 300
290 PRINT A[J],Q[J]
300 NEXT J
310 DISP "INPUT FORCE AND SRC";
320 INPUT N$
330 DISP "STORE IN WHICH FILE";
340 INPUT F
350 STORE  DATA F
360 END
```

APPENDIX B

DATA BASE

B-1 This appendix gives the data used in RAPID for the Infantry Division 86 Study. The data is available on cassette tape storage devices as cataloged in appendix B, annex II, inclosure a.

APPENDIX B

ANNEX I

EQUIPMENT DATA BASE

NO	LIN	TANKS & TRACKS	Dimension				Fit			
			L	W	H	Wt	C-130	C-141A	C141B	C-5A
1	A93125	M-551	248.9	110.5	97.3	29,960(V)	1	3		
2	D12087	M113	191.5	99.6	84.0	19,996(V)	1	3		(V)
3	D11538	M577A1 (CP)	191.5	100.0	104.0	21,700(V)	1	3		
4	D10741	M106A1 (107 SP)	191.5	99.6	84.0	20,131(V)	1	3		
5	D10726	M125A1 (81 SP)	191.5	100.0	84.8	20,290(V)	1	3		
6	D11049	M548 (CARRIER)	232.0	100.0	76.8	28,145(V)*	1	2		
7	D11668	M730 (CHAP)	229.5	100.0	78.4	14,783(V)	1	3		
8	E56896	M901 (ITV)	191.5	100.0	99.4	23,500(V)	1	3		
	(J96694)	(M163 VULCAN)	(190.0)		(105.6)	(24,700(V))				
	(Z27622)	(FOV)								
9	K56981	M110 (203 SP)	296.8	124.0	107.8	57,630(V)	0	0		3
10	L43664	BRIDGE LCHR	340.0	144.0	112.0	87,700(V)	-	-		2
11	R50544	M578 (RECOV)	253.5	124.0	115.0	48,448(V)	0	0		4
	(R57667)	(M109-SP-105 HOW)	(267.1)	(124.5)	(109.8)	(49.509)(V)				
12	R50681	M-88 (RECOV)	321.0	135.0	117.3	107,600(V)	0	0		1(V)
13	V13101	M-60A1 (TANK)	325.0	144.0	129.0	97,000(V)	0	0		2
14	Z42974	SLUFAE	191.8	97.2	103.3	10,501(V)	1	3		
15	Z77255	XM-1 (105mm)	353.3	137.0	113.8	110,000(V)	0	0		1(V)
16	Z41940	XM-2/IFV	245.0	117.0	101.0	41,140(V)	0	1		
	(Z42003)	XM-3/CFV								
17	(Z32424)	DIVAD	280.0	143.0	134.8	120,000	0	0		1
18	(Z37726)	MLRS	275.0	117.0	103.0	51,000(V)	0	1		2
19		UET	246.0	110.0	94.0	32,000		3		
		HELICOPTERS								
20	K31042	OH58A	384.0	81.5	115.3	1,508(V)		6		(V)
21	K31795	UH-1H	512.8	102.5	156.0	4,289(V)		2		(V)
	(K30548)	(EH-1H)								
22	K29694	AH-1S	537.0	88.0	147.3	6,204(V)		2		(V)
23	K32293	UH60A	496.0	116.0	105.0	12,175(V)		2		6
24	Z33149	AH64	591.5	108.6	150.8	10,277		2		6
		WHEELED COMBAT VEHICLES								
25	X45352	M232 (LNCHR)	131.1	75.0	70.5	2,709(V)		11		(V)
26	X45549	M236 (CARRIER)	130.5	64.5	52.5	2,539(V)		11		(V)
27	N/A	M236 W/M416	211.5	64.5	52.5	3,119		8		
28		HMMWV	177.0	85.0	78.0	6,721		5		24
29		V150	224.0	89.0	96.0	21,010		3		
30		AMX-10	250.0	112.6	105.5	34,760		2		

* indicates that weight given is for a cargo vehicle loaded with cargo to its rated capacity
(V) indicates the information is validated by TB-55-46-1, TM-55-450-10 or FM 55-13.

NO	LIN		Dimension L	W	H	Wt	Fit C-130	C-141A	C141B	C5B
		TOWED ARTILLERY AND TOWED ADA								
35	K57392	M102 (105)	225.3	74.3	53.0	3,160(V)		8		
36		78+M102	TM	97.5	89.0	21,936(V)		2(V)		
37	K57821	M198 (155)	290.0	110.0	84.0	15,400(V)		3		
38		80+M198	685.4	110.0	93.5	51,009(V)		1		
39	J96845	M167 VULCAN	158.1	78.0	62.5	3,260(V)		5		
40		78+Lt DIVAD	422.5	117.0	105.0	29,276		2		
41		Lt DIVAD	144.0	117.0	105.0	10,500		6		
		TRUCKS & TRAILERS								
45	S70243	Strlr, 12T Lowbed Wrkr, M270A1	600.0	97.8	79.8	16,740	--	1		
46	S72024	Strlr, 12T, M127A1	345.5	97.3	108.3	38,240*		2		
47	S73372	Strlr, 5000 G M969	368.0	96.0	104.0	15,580		2		
48	S74079	Strlr, 12T, Van, M128	344.3	96.8	139.1	39,450*	--	--	--	5
49	S74490	Strlr, 6T, Van, M313	319.3	96.5	133.8	15,890	--	2		
50	S73668	Strlr, Van, 6T M146F	275.9	100.8	129.8	7310				12
51	S70517	Strlr, Lowbed, 15-25T, M172A1	415.5	115.0	71.1	16285		2		
52	S74832	Strlr, Van, Rpr Pt Sto, 6T, M749	319.5	95.8	128.3	13830				10
53	T24660	Shop Equip-Auto Maint	278.3	99.5	130.0	26731				7
54	T25619	Shop Equip-Auto Maint	278.3	99.5	130.0	19971				10
55	W93995	Trailer, Acft, Maint	112.3	69.5	33.8	650		8		
56	W94030	Trailer, Ammo, 1-1/2T, M332	148.5	95.0	56.3	5770*		6		
57	W95400	Trailer Cargo 1/4 T, M416	108.5	61.5	44.0	1080*		32		
58	W95537	Trailer Cargo 3/4 T, M101	147.0	73.5	65.0	2840*		8		
59	W95811	Trailer Cargo 1-1/2 T, M105A2	166.0	83.0	82.0	5670*		5		
60	W96701	Trailer Flat Bed 6 Ton, XM789	276.8	96.0	34.0	15690*		3		

NO	LIN	TRUCKS & TRAILERS	Dimension L	W	H	Wt	Fit C-130	C-141A	C141B	C5
61	W96907	Trailer Flat Bed 10 Ton, M345	333.0	98.0	55.0	31280*		2		
62	W98825	Trailer Tank Water M107A2	161.4	83.0	76.0	2260		9		
63	W98962	Trailer Tank Water 400 Gal	161.4	81.6	80.6	2530		9		
64	X38365	Truck Ambulance 4 Litter 4X2	197.5	80.8	78.5	4825		4		
65	X38502	Truck Amb 4X4	217.5	77.8	102.6	6290		4		
66	X38592 (X38562)	Trk Amb 5/4 T M886 (M893)	223.8	79.8	103.3	6115		4		
67	X38639	Truck Amb 1/4 T M718A1	141.5	66.0	52.9	2895		6		
68	X38913 (X38776)	Truck Amb 3/4 T M43WWN	205.3	75.3	92.0	7240		4		
69	X38951	Truck Amb 5/4 T M725	211.5	85.3	94.8	6380		4		
70	X38961	Truck Amb 5/4 T M792	226.0	84.0	65.0	7620		4		
71	X39429 (X39432) (X39435) (X39438) (X39441) (X39444) (X39447) (X39450) (X39453)	Trk Cgo, 5/4 T (M890)(M880)(M892) (M891)(M885)(M882) (M882)(M883)(M884)	218.5	81.3 (79.8)	73.5 (70.5)	7470* (6765)		4		
72	X39598	Trk Cgo, 1/4 T	195.3	77.6	72.8	5004*		4		
73	X39735	Truck Cargo 3/4 T M37B1	185.5	75.3	70.6	7166*		5		
74	X39872	Truck Cargo 3/4 T M37B1 WWN	190.3	75.3	70.6	7430*		4		

NO	LIN	TRUCKS & TRAILERS	Dimension				Fit			
			L	W	H	Wt	C-130	C-141A	C141B	C5B
75	X39893	Truck Cargo 1 Ton	211.0	78.0	74.0	8560*		4		
76	X39906 (X39883)	Trk Cgo, 5/4 T M715 WWN	220.5	85.3	75.0	8927*		4		
77	X39940	Trk Cgo, 5/4 T M561 WWN	231.1	85.3	71.9	9980*		4		
78	X40214 (X40009) (X40077) (X40146)	Trk Cgo D/S 2-1/2 T, M35A2C WWN	278.5	97.5	89.0	18776*		3(V)		
79	X40694 (X40283) (X40420) (X40557)	Trk Cgo, 2-1/2 T XLWB, M36C WWN (M36A2)	343.1 (342.5)	95.9	88.2 (80.5)	20440*		2		
80	X41242 (X40794) (X40831) (X40931) (X40968) (X41105)	Trk Cgo 5 T XLWB M814 WWN	395.4	98.1 (98.0)	93.5	35609*		2		
81	X41327 (41310)	Trk Cgo 5 T M656 WWN	299.0	95.5	82.8	28328*		2		
82	X59052	Trk-TRAC, 2 1/2T, M275A2	228.5	93.3	81.1	11703	-	4		
83	X41653 (X41615)	Truck Cargo 8 T M520 WWN	381.5	108.6	98.3	41079*	-	1		
84	X59463 (X59326)	Trk, TRAC 2 1/2T M52A2 WW	280.0	98.0	85.1	20107		3		
85	X43434 (X43297)	Trk Dump, 2-1/2 T M342A2 WWN	273.0	95.6	82.3	20770*		3		
86	X59874	Trk, Trac, 10T	289.4	114.8	93.0	30082		3		
87	X43845 (X43708)	Truck Dump 5 Ton M51A1 WWN	281.5	97.8	88.8	32860*		2		

NO	LIN	TRUCKS & TRAILERS	Dimension				Fit			
			L	W	H	Wt	C-130	C-141A	C141B	C
88	X43982	Truck Dump 8 Ton	241.0	95.5	102.0	28790*		2		
89	X55627	Trk, Plat, Util M274 (Mule)	100.5	50.3	30.0	970		18		
90	X57408 (X57271)	Trk, Tnk, 2 1/2T M49A2C WWN	277.3	95.9	91.9	15022		3		
91	X58367	Trk, Tnk, 1000G M50A2	263.6	95.3	97.8	14003		3		
92	X58093 (X58078)	Trk, Tnk, 2500G M559, WWN	391.8	108.3	100.3	28015	--	2		
93	X60696	Trk, Trac, Wrkr 5T, M819 WWN	360.3	98.1	116.3	33874	--	--	--	5
94	X60833	Trk, Util, 1/4 T M151A2	131.5	64.0	52.5	2450		11(V)		
95	X62447 (X62340) (M57481) (U43735) (F77964)	Trk, Van, Shop M109A3	278.3 (264.8)	99.5	130.0	18770 (16170)	--	--	--	10
96	X62237 (X62271) (Y35486)	Trk, Van, Ex, 5T M820 (Water Pur-Trk MTD)	368.8	98.5	137.1	29495				6
97	X63025 (X62888)	Trk, Wrkr, 2-1/2T, M108, WWN	303.0	96.5	94.5	19963		3		
98	X63162	Trk, Wrkr 2 1/2T, M60A2 WWN	303.0	96.0	101.0	23960	--	--	--	7
99	X63299	Trk, Wrkr, 5T M816 WWN	354.4	98.3	105.0	34820		2		
100	X63436	Trk, Wrkr, 10T M553 WWN	400.8	108.3	117.3	39798	--	--	--	4
101	Z65779	Strlr, Lowbed	491.6	96.0	105.5	17390	--	--	--	6

NO	LIN	TRUCKS & TRAILERS	Dimension L	W	H	Wt	Fit C-130	C-141A	C141B	C5B
102	Z65948	Strlr, Lowbed XM871	359.0	96.0	69.0	15750		2		
103	Z65956 (Z65952) (Z65954) (Z65950)	Strlr, Tnk 5000G, M970 (M968)(M967) (M969)	368.0	96.0	104.0	16310		2		
104	Z85278	Trk, Trac, M920	319.3	98.0	127.9	27368	--	--	--	5
105	Z93547	Trk, Cgo, 10T, XM977	398.8	98.6	115.5	53360*	--	--	--	3
106	Z93983	Trk, Trac, M916	294.3	98.0	127.9	24917	--	--	--	5
107	Z94099	Trk, Trac, XM878	192.5	97.0	118.3	16030	--	--	--	8
108	Z94104	Trk, Trac, XM911	369.3	98.1	123.5	38233	--	--	--	4
109	Z95101	Trk, Trac, M915	255.5	96.0	115.5	18621	--	--	--	6
110	Y35109	Water Treat Set Trl MTD	147.0	73.5	67.0	2600		6		
111	U58881	Super Str Trans	519.6	144.0	104.5	32200				3
112	Q15414	Radar, Trl MTD	191.0	96.0	92.0	6200		4		
119		6 + W94030	380.5			33915*		2		
120		78 + Ammo Trl	427.0			24546*		2		
121		79 + Ammo Trl	491.6			26210*		1		
122		80 + Ammo Trl	543.9			41379*		1		
123		94 + 1/4T Trl	211.5			3530*		8		
124		71 + 3/4T Trl	365.5			10310*		2		
125		78 + 3/2T/400G Trl	444.5			24446*		2		
126		79 + 3/2T/400G Trl	509.1			26110*		1		
127		80 + 3/2T/400G Trl	561.4			41279*		1		

NO	LIN	OTHERS	Dimension L	W	H	Wt	Fit C-130	C-141A	C141B	
128	95 + 3/2T/400G Trl		444.3			21840*		2		
129	82/83 + Ammo Trl		530.0			46849*		1		
130	5T Trk + S74079	(S74490) (S75175)	624.3			59557*		1		
131	81 + 3/2T/400G Trl		465.0			34099*		1		
132	77 + 3/4T Trl		378.1			12820*		2		
133	96 + 3/2T/400G Trl		526.4			33347*		1		
134	87 + 3/2T/400G Trl		447.5			38530*		2		
135	5T Trk + S74832		599.5			22380	--	--	--	6
136	5T Trk + S70517		704.9			46367	--	1		
137	5T Trk + F77918		730.5			75107	--	1		
138	5T Trk + S72024		625.5			34347	--	1		
139	5T Trk + S72188		646.0			36457	--	1		
140	5T Trk + Z65948		639.0			35857	--	1		
141	HET + Z65948						--	--	--	2
142	(2 or 3) + 3/2 T/400 G Trl		357.5			27370		2		
143	T61035 + S70661		883.8			42043				2
145	XS1585	Trk, Frk Lft, 2T	94.0	58.5	68.0	8220		11		
146	T10549	Shop, Strl	348.5	98.0	128.5	29760				5
147	Z42974	Unimog	214.5	78.8	95.8	11225		4		
148		Mine Disp (XM-128)	191.8	97.2	103.3	10501		4		
149	W58486	Tool Outfit (Trl Mtd)	145.5	74.5	68.3	2120		6		

NO	LIN	OTHERS	Dimension L	W	H	Wt	Fit C-130	C-141A	C141B	C5B
150	J47617 (J46265) (J46258) (J46384) (J46255) (J46252)	Gen (Trl MTd)	146.0 (147.0) (147.0) (147.0) (147.0) (147.0)	74.0 (73.5) (73.5) (73.5) (73.5) (77.0)	59.0 (58.0) (57.0) (58.0) (83.0) (76.9)	2840 (2180) (2140) (2180) (2830) (2100)		6		
151	L28351	Kitchen (Trl Mtd)	183.0	93.5	96.0	5340		5		
152	T00474	Shelter (Trl Mtd) (MSI)	167.8	84.5	95.8	5360		5		
153	Z50194	Power Plant (Trl Mtd)	164.9	95.5	86.0	5660		5		
154	J49055	Gen (Whl Mtd)	49.5	39.0	41.0	570		20		
155	K24931	Heater (Wht Mtd)	74.5	39.0	38.9	750		12		
156	W00221	Test Stand (Whl Mtd)	75.5	57.0	55.0	1980		12		
157	F39172	Crane 3T (Whl Mtd) (M63)	218.0	108.0	105.0	21200	--	4		
158	X52476	Frklft, 5T (RT)	190.0	103.0	100.0	30000		3		
159	G34805	Dolly (M707)	76.1	85.3	47.4	1100		12		
160	J47480	Gen (Trl Mtd)	175.3	83.3	64.5	3790		5		
161	G34815	Dolly (M689)	121.0	96.0	51.0	3350		7		
162	J42100 (J41452)	Gen (Trl Mtd)	174.8	845	64.5	4500		5		
163	J35629 (J35595) (J35492)	Gen (Trl Mtd) (PU405)	169.1	96.3	87.3	7560		5		
164	X48914	Frklft, 3T (RT)	185.0	103.0	92.0	24140		4		
165	X23227	Trans, Liq	132.5	100.0	63.8	3070		7		

NO	LIN	OTHERS	Dimension				Fit			
			L	W	H	Wt	C-130	C-141A	C141B	C5B
166	G35089	Dolly, Tlr, 6T (M197A1)	112.5	93.8	54.8	2870		8		
167	Q16046	Radar Set (FAAR) AN/APQ-49	284.0	85.3	102.0	10090(V)		3		
168	E02807	Chassis, Trl, Gen	168.3	94.0	40.5	2445		5		
169	W94536	Trl, Bolst (M796)	213.0	93.5	44.1	4860		4		
170	J36383 (J35629) (J35595)	Gen (Trl Mtd)	170.3 (169.1)	96.3 (96.3)	87.3 (82.5)	8220 (6400)		5		
171	F77651	Data An Cen	444.5	101.3	156.0	36000	--	--	--	5
172	J41819 (J49809) (J41931)	Gen (Trl Mtd)	147.0	77.0 (75.8) (73.5)	76.9 (66.0)	2340 (2100) (2590)		6		
173	T10412	Shop, Strl	321.5	96.8	129.5	18360	--	--	--	10
174	K30548		(USE 21)					2		
175	T10138	Shop (Trk Mtd)	213.5	88.3	76.0	8555		4		
176	P27819	Power Plant (Trlr Mtd)	170.3	93.3	82.5	6500		5		
177	S74490	Strl Van Exp 6T (M313)	319.3	96.5	133.8	15890	--	--	--	10
178	T13152	Shop (Trk Mtd)	334.3	95.3	119.0	32780	--	--	--	6
179	P11866	Compressor (Trl Mtd)	214.0	97.0	75.3	8910		4		
180	F39378	Crane, 20T	344.0	126.5	149.0	57380	--	--	--	3
181	Y35486	Water Pur (Trk Mtd)		(USE 96)						6
182	E70886	Compressor (Whl Mtd)	90.0	69.0	42.0	2100		10		

NO	LIN	OTHERS	Dimension				Fit			
			L	W	H	Wt	C-130	C-141A	C141B	C5B
183	L85283	Lube Unit (Trl Mtd)	174.3	97.5	80.0	5300		5		
184	E56578	Cbt Eng Veh (M728)	289.0	143.5	127.8	125600	--	--	--	1
185	Y48323	Welding Shop (Trlr Mtd)	148.8	75.8	59.0	2510		6		
186	L76556	Loader, Scoop	282.5	102.0	92.3	23990		3		
187	J74852	Grader	313.0	95.0	123.5	28250	--	--	--	7
188	W76816	Tractor	202.0	117.0	98.5	43220	--	--	--	4
189	W91074	Tractor (Backhoe)	348.0	89.3	102.0	15160		2		
190	W95263	Trailer, Cable	149.5	87.8	62.5	3050		6		
191	B83582	Boat Brg	326.0	98.0	67.5	7300		2		
192	J35801	Gen (Trl Mtd)	195.5	97.0	82.1	8550		4		
193	P97051	Pump (Whl Mtd)	68.3	59.1	62.0	1390		13		
194	X49051	Fklft, 5T (RT)	203.0	107.0	97.8	33380	--	2		
195	H01855 (H01857)	Elect Shop (Strl Mtd)	396.5	95.5	131.5	15000		2		
196	J35680 (J35561)	Gen (Trl Mtd)	171.0	96.0	86.8	7330		5		
197	Q13633	Radar (Trk Mtd)	268.3	99.5	130.3	22000		3		
198	F43067	Crane, 5T	264.5	112.5	132.0	32660	--	--	--	6
199	T30414 (T31784)	Shop (Trk Mtd)	264.8	97.3	130.0	17300	--	--	--	11
200	T10275	Shop, Equip (Strlr Mtd)	315.5	96.5	129.5	20045	--	--	--	10

ADDITIONAL EQUIPMENT DATA FOR SUBSTITUTE LINE ITEMS

NO	LIN	OTHERS	Dimension				Fit			
			L	W	H	Wt	C-130	C-141A	C141B	C5B
(66)	X38562	Trk Amb 5/4 T M893	223.8	79.8	100.3	5800		4		
(68)	X38776	Truck Amb 3/4 T M43B1	199.5	75.3	92.0	6900		4		
	X39050	Truck Bolster 2-1/2 T, M45 Chas	275.0	94.0	80.0	13060		3		
	X39187	Truck Bolster 5 T M815WWN	318.0	98.0	117.8	21974	-	-	-	
	X39426	Trk Fftg Prpl K Equip, None	256.8	99.0	120.5	16680	-	-	-	
(71)	X39432	Trk Cgo, 5/4 T M880	218.5	79.8	73.5	7195*		4		
(71)	X39435	Trk Cgo, 5/4 T M892	218.5	81.3	70.5	6980*		4		
(71)	X39438	Trk Cgo, 5/4 T M891	218.5	81.3	70.5	6980*		4		
(71)	X39441	Trk Cgo, 5/4 T M885	218.5	91.3	73.5	7280*		4		
(71)	X39444	Trk Cgo, 5/4 T M881	218.5	79.8	73.5	7260*		4		
(71)	X39447	Trk Cgo, 5/4 T M882	218.5	81.3	73.5	7420*		4		
(71)	X39450	Trk Cgo, 5/4 T M883	218.5	79.8	73.5	7148*		4		
(71)	X39453	Trk Cgo, 5/4 T M884	218.5	79.8	73.5	7470*		4		
	X39877	Truck Cargo 1 Ton	Not Reducible		1965 Dodge					

NO	LIN	TRUCKS & TRAILERS	Dimension L	W	H	Wt	Fit C-130	C-141A	C141B	C5B
(76)	X39883	Trk Cgo, 5/4 T M715	210.3	85.3	75.0	8507*		4		
(78)	X40009	Trk Cgo, 2-1/2 T M35A2	264.8	95.4	88.4	18180*		3(V)		
(78)	X40077	Trk Cgo D/S 2-1/2 T, M35A2C	264.5	97.5	89.0	18526*		3(V)		
(78)	X40146	Trk Cgo, 2-1/2 T M35A2 WWN	278.5	95.4	88.4	18570*		3(V)		
(79)	X40283	Trk Cgo, 2-1/2 T XLWB, M36A2	329.0	95.1	88.2	19876*		2		
(79)	X40420	Trk Cgo, 2-1/2 T XLWB, M36A2 WWN	343.1	95.1	88.2	20016*		2		
(79)	X40557	Trk Cgo, 2-1/2 T XLWB, M36C	324.0	95.9	80.5	18500*		2		
(80)	X40794	Trk Cgo 5 T D/S M813A1	306.8	98.1	93.3	30982*		2		
(80)	X40831	Trk Cgo 5 T LWB M813	304.0	98.0	93.3	30910*		2		
(80)	X40931	Trk Cgo D/S 5 Ton M813A1 WWN	322.3	98.1	86.1	31887*		2		
(80)	X40968	Trk Cgo 5 T LWB M813 WWN	319.5	98.0	93.3	31771*		2		
(80)	X41105	Trk Cgo 5 T XLWB M814	377.8	98.0	93.5	34037*		2		
(81)	X41310	Trk Cgo 5 T M656	278.5	95.5	82.8	26778*		2		
(83)	X41615	Truck Cargo 8 T M520	381.5	108.6	98.3	40339*	-	1		
	X41633	Truck Cargo 8 T W/MHC, M877	381.5	108.6	98.3	25430*	-	2		

NO	LIN	TRUCKS & TRAILERS	Dimension L	W	H	Wt	Fit C-130	C-141A	C141B	C
(84)	X59463 (X59326)	Trk, Trac, 5T M52A2 WWN	280.0	98.0	85.1	20107		3		
	X41635	Trk, Cargo 8T	381.5	108.6	98.3	26170		2		
	X41790	Trk, Cargo 10T M125 WWN	318.5	114.0	110.0	52789*		1		
(85)	X43297	Trk Dump, 2-1/2 T M342A2	260.3	95.6	82.3	20213*		3		
	X43571	Trk Dump, 5-1/2 T	203.0	95.5	88.0	20830*		3		
(87)	X43708	Truck Dump 5 Ton M51A1	266.0	97.8	88.8	32146*		2		
(90)	X57271	Trk Tank, 2-1/2 T	263.3	95.9	91.9	14600(V)		3		
(92) (92)	X58093 (X58078)	Trk, Tnk, 2500G M559, WWN	391.8 (391.8)	108.3 (108.3)	100.3 (100.3)	28015 (27345)(V)	--	2		
	X58504 (X58367)	Trk, Tnk, 1000G M50A2, WWN	276.6	95.3	97.8	14414	--	3		
	X59189	Trk, Trac, 2-1/2T M275A2 WWN	242.5	93.3	81.1	12143	--	3		
	X59052	Trk, Trac, 2-1/2T M275A2	228.5	93.3	81.1	11703	--	4		
(95)	X62340	Trk, Van, Shop 2-1/2 T	264.8	99.5	130.0	15760(V)				12
(97)	X62888	Trk, WKR, Crane 2-1/2T, 6X6	289.0	96.5	94.5	19375(V)		3		

AIRCRAFT DIMENSION AND WEIGHT CONSTRAINTS

AIRCRAFT	L	W	H	ACL-MAX WT
C-141A	945	123	109	98,000
C-141B	1225	123	109	91,380
C-5A	1706 (1706)	228 (156")	114 (162)	204,904 (204,904)
		(36" each side)		
C-130	588	108	108	

DEPLOYABILITY LOAD AND CUBIC FACTORS

U(1) = 98,000 (C-141A Max Load WT)
U(2) = 204,904 (C-5A Max Load WT)
U(3) = 7,332 (C-141A Cubic Ft Capacity)
u(4) = 27,935 (C-5A Cubic Ft Capacity)

SOURCE: USAF Military Airlift Command - XOSS

APPENDIX B

ANNEX II

FORCE DATA BASE

APPENDIX B

ANNEX II

INCLOSURE a.

TAPE INDEX

```
TAPE 1
FILE    PROGRAM/DATA

 0      TLIST
 1      06155H000(1=HHB, 2=105T BTY, 3=SVC BTY)
 2      06165H000(1=HHB, 2=155T BTY, 3=203SP BTY, 4=SVC BTY)
 3      06100H000(1=3 105T BNS, 2=COMP BN, 3=HHB DIVARTY)
 4      44325H000(1=HHB, 2=VUL BTY, 3=CHAP BTY)
 5
57055H020(1=HHC, 2=CBT SPT CO, 3=GEN SPT CO, 4=AHC, 5=TAM CO)
 6      17205H200(1=HHT, 2=ARM CAV TP, 3=AIR CAV TP)
 7      07015H020(1=HHC, 2=CSC, 3=RFL CO, 4=HHC BDE)
 8      07045H030(1=HHC, 2=RFL CO(M), 3=CSC)
 9      17035H010(1=HHC, 2=TK CO, 3=CSC)
10
07000Z500(1=ADA BN, 2=DIVARTY, 3=AVN BN, 4=ACAV SQ, 5=INF BDE(2), 6=HVY
11      MNVR BDES, DIVARTY AND ADA (7-1-1) TYPE INF DIV


TAPE 2
FILE    PROGRAM/DATA

 0      TLIST
 1      FORCE BUILDING PROGRAM
 2
07000Z000(1=HHC,2=NBC,MP,CEWI,SIG,3=ENG,4=DISCOM,5=BDES,ARTY,ACAV,ADA)
 3
07000Z000(1,2,3,4=FILE 3, 5=BDES,ADA,DIVARTY,CS AVN,AIRCAV)
 4      1=SIG BN, 2=NBC DEF CO,MP CO, 3=CEWI BN
 5
29001H000(1=HHC,FIN,AG,DMMC, 2=MAINT BN, 3=S&T BN, 4=MED BN)
 6      29001H000(1=HHC, 2=DMMC, 3=FIN CO, 4=AG CO)
 7      29005H000(1=HHC, 2=S&S CO, 3=TMT CO)
 8      29015H000(1=HLMC, 2=HV MAINT, 3=FWD SPT, 4=MSL SPT)
 9      08035H000(1=HSC, 2=MED CO)
10      05155H710(1=HHC, 2=ENG CO, 3=BRG CO)
11      19017H710(MP CO),03087H700(NBC DEF CO)
12      11035H000(1=HHC, 2=CMD OP, 3=FWD COMMO, 4=SIG SPT)
```

```
        TAPE 3
        FILE   PROGRAM/DATA

         0      TLIST
         1      CURRENT INF DIV(07000Z000, -1 INF BN)
         2      CURRENT INF DIV(07000Z000, -1 INF BN,-ACAV,-AVN BN)
         3
OBJ ID86(-AVN/RECON,-BDE SPT BN,+3MED CO,+3 MAINT CO)(3/25/80)
         4
OBJ ID86(1=DIV BASE-HHC,DISCOM,2=MOB BDE,3=INF BDES,4=HHC,DISCOM)(3/20/8
         5      OBJ ID86(-AVN/RECON,-BDE SPT BNS)(3/20/80)
         6      OBJ ID86 MNVR ELEMENTS(W/BDE HHCS)(3/15/80)
         7      OBJ ID86(1=MBDE HHC, 2=MOB BN)(3/15/80)
         8      OBJ ID86(1=BDE HHC,2=INF BN)(3/15/80)
         9      OBJ ID86 DIVARTY(3/15/80)
         10     MBDE(HHC, 2 TK BNS(17035H010 W/V150), 1 MOB BN)(3/25/80)
         11     1=TK BN(17035H010 W/V150), 2=MBDE HHC, 1 MOB BN
         12     1=HHB, 2=1 155SP BTY, 3=SVC BTY



        TAPE 4
        FILE   PROGRAM/DATA

         0      TLIST
         1      OBJ ID86(1=HHC MOB BDE,2=MOB BN)(3/15/80)
         2      OBJ ID86(1=HHC INF BDE,2=INF BN)(3/15/80)
         3      OBJ ID86(1=HHC,2=FWD SPLY,3=FWD MAINT,4=FWD MED)(3/15/80)
         4      OBJ ID86(1=HHC,2=MED SPT CO)(3/15/80)
         5      OBJ ID86(1=HHC,2=DMMC,3=AG,4=NBC)(3/15/80)
         6      OBJ ID86(1=HLMC,2=HVY MAINT,3=MSL SPT)(3/15/80)
         7      OBJ ID86(1=S&S,2=HHC,3=TMT)(3/15/80)
         8
OBJ ID86(1=CEWI BN,2=MP CO,3=SIG BN,4=ADA BN,5=ENG BN,6=DIVARTY)(3/15/80
         9      OBJ ID86(DIV HHC)(3/15/80)
         10
OBJ ID86(-AVN/RECON,-BDE SPT BNS,+3 MED CO,+3 MAINT CO)(3/25/80)
```

```
TAPE 5
FILE    PROGRAM/DATA

 0      TLIST PROGRAM
 1      AUTOLOAD RAPID
 2
CURRENT INF DIV(07000Z000,-INF BN,-ACAV,-AVN BN)(LESS TRLS)
 3      CURRENT INF DIV(07000Z000,-INF BN)(LESS TRLS)
 4      CURRENT INF DIV(07000Z000,-INF BN)
 5
OBJ ID86(-AVN/RECON,-BDE SPT BNS,+3MED,+3MAINT)(LESS TRLS)(3/25/80)
 6      MANEUVER BDES,ID86(3/25/80)
 7      DIVARTY, ID86(3/25/80)
 8      DISCOM, ID86(3/25/80)



TAPE 6
FILE    PROGRAM/DATA

 0      TLIST PROGRAM
 1      TRANSFORM PROGRAM(FORCE BUILDER TO AUTOLOAD)
 2      MANUAL RAPID
 3      OBJ ID86(3/25/80)+ 2TK BNS(V150)
 4      OBJ ID86(3/25/80)+ 2TK BNS(551)
 5      OBJ ID86(3/25/80)+ 2TK BNS(V150)- 1 MOB BN
 6      OBJ ID86(3/25/80)+ 2TK BNS(551)- 1 MOB BN
 7      OBJ ID86(3/25/80)+ 1TK BN(551)
 8      DIV BASE(3/25/80)
 9      OBJ ID86(3/25/80)155+TRK TO 105+TRK
```

APPENDIX B

ANNEX II

INCLOSURE b.

CURRENT INFANTRY DIVISION UNITS

```
TAPE                1
FILE                1
06155H000(1=HHB, 2=105T BTY, 3=SVC BTY)

SUBUNIT             1
SYSTEM.            QTY
 70                 1
 71                 1
 77                 7
 78                 1
 94                 5
 123                28
 124                3
 125                3
 150                1
 151                2
```

```
TAPE                1
FILE                1
06155H000(1=HHB, 2=105T BTY, 3=SVC BTY)

SUBUNIT             2
SYSTEM             QTY
 36                 6
 58                 1
 77                 2
 78                 1
 120                2
 123                1
 125                2
```

```
TAPE                1
FILE                1
06155H000(1=HHB, 2=105T BTY, 3=SVC BTY)

SUBUNIT             3
SYSTEM             QTY
 78                 1
 80                 1
 94                 2
 99                 1
 120                10
 124                1
 125                4
```

```
TAPE                1
FILE                2
06165H000(1=HHB, 2=155T BTY, 3=203SP BTY, 4=SVC BTY)

SUBUNIT             1
SYSTEM             QTY
 2                  6
 3                  2
 70                 1
 71                 2
 77                 7
 78                 1
 94                 5
 123                13
 124                4
 125                3
 150                2
 151                2




TAPE                1
FILE                2
06165H000(1=HHB, 2=155T BTY, 3=203SP BTY, 4=SVC BTY)

SUBUNIT             2
SYSTEM             QTY
 38                 6
 77                 2
 122                4
 123                1
 125                3




TAPE                1
FILE                2
06165H000(1=HHB, 2=155T BTY, 3=203SP BTY, 4=SVC BTY)

SUBUNIT             3
SYSTEM             QTY
 3                  1
 6                  4
 9                  4
 56                 7
 77                 1
 78                 1
 123                1
 125                2
 128                2
```

```
TRK                    1
FILE                   2
061E5H300(1=FHIG, 3=155T BTY, 3=203SP BTY, 4=SVC BTY)

SUBUNIT                4
SYSTEM                QTY
 12                    1
 67                    1
 100                   1
 123                   2
 124                   1
 125                   7
 129                   13
```

TAPE 1
FILE 3
0[illegible]1=[illegible] 105T BNS, 2=COMP BN, 3=HHB DIVARTY)

SUBUNIT	1
SYSTEM	QTY
36	54
58	9
70	3
71	3
77	39
78	15
80	3
94	21
99	3
120	48
123	93
124	12
125	39
150	3
151	6

TAPE 1
FILE 3
06100H000(1=3 105T BNS, 2=COMP BN, 3=HHB DIVARTY)

SUBUNIT	2
SYSTEM	QTY
2	6
3	3
6	4
9	4
12	1
36	18
56	7
67	1
70	1
71	2
77	14
78	2
94	5
100	1
122	12
123	19
124	5
125	21
128	2
129	13
150	2
151	2

```
TAPE                1
FILE                3
06 06H000 (1=3 10ST BNS, 2=COMP BN, 3=HHB DIVARTY)

SUBUNIT             3
SYSTEM            QTY
  3                 1
  67                1
  71                8
  77                8
  78                1
  80                5
  94                6
  96                3
  123               5
  124               6
  125               6
  150               9
  151               1
  152               2
  153               2
```

```
TAPE                1
FILE                4
44325H000(1=HHB, 2=VUL BTY, 3=CHAP BTY)

SUBUNIT             1
SYSTEM             QTY
 3                  2
 66                 1
 71                 2
 99                 1
 123                19
 124                3
 125                4
 127                1
 132                11
 150                2
 151                1
 152                2
 167                8
```

```
TAPE                1
FILE                4
44325H000(1=HHB, 2=VUL BTY, 3=CHAP BTY)

SUBUNIT             2
SYSTEM             QTY
 2                  4
 8                  12
 11                 1
 71                 1
 78                 2
 95                 1
 123                5
 125                2
 127                6
 132                3
 151                1
```

```
TAPE                1
FILE                4
44325I1000(1=HHB, 2=VUL BTY, 3=CHAP BTY)

SUBUNIT             3
SYSTEM             QTY
 2                  4
 7                 12
 11                 1
 79                 1
 95                 1
 123                5
 124                1
 125                7
 127                2
 132                3
 151                1
 168                1
```

TAPE 1
FILE 5
57055H320(1=HHC, 2=CBT SPT CO, 3=GEN SPT CO, 4=AHC, 5=TAM CO)

SUBUNIT	1
SYSTEM	QTY
07	1
123	5
124	5
125	1
152	2

TAPE 1
FILE 5
57055H320(1=HHC, 2=CBT SPT CO, 3=GEN SPT CO, 4=AHC, 5=TAM CO)

SUBUNIT	2
SYSTEM	QTY
21	23
55	1
71	9
80	3
89	1
93	1
94	1
99	1
123	1
124	5
125	5
127	1
154	1
156	1
157	1
164	1

TAPE 1
FILE 5
57055H320(1=HHC, 2=CBT SPT CO, 3=GEN SPT CO, 4=AHC, 5=TAM CO)

SUBUNIT	3
SYSTEM	QTY
20	32
21	14
55	2
62	1
123	3
124	13
125	6
127	7
151	2
154	4
156	2
157	1
158	1
159	3

TAPE 1
FILE 5
57055H320(1=HHC, 2=CBT SPT CO, 3=GEN SPT CO, 4=AHC, 5=TAM CO)

SUBUNIT	4
SYSTEM	QTY
20	12
21	3
22	21
55	1
71	1
89	3
99	2
122	4
123	3
124	6
125	8
127	4
154	2
156	1
157	1
159	3
164	1

```
TAPE                1
FILE                5
5?055H:20(1=HHC, 2=CBT SPT CO, 3=GEN SPT CO, 4=AHC, 5=TAM CO)

SUBUNIT             5
SYSTEM             QTY
 21                 2
 45                 1
 46                 2
 48                 3
 49                 1
 55                 6
 89                 7
 91                 1
 93                 1
 95                 1
 123                2
 124                6
 125                7
 127                1
 130                6
 151                1
 154                4
 155                1
 156                2
 157                2
 159                1
 161                6
 162                2
 163                3
 164                1
```

TAPE 1
FILE 5
17205H200(1=HHT, 2=ARM CAV TP, 3=AIR CAV TP)

SUBUNIT 1

SYSTEM	QTY
21	4
70	2
71	2
77	2
94	4
100	1
123	13
124	3
125	10
127	1
131	5
150	3
151	2
152	2
154	1
164	1

TAPE 1
FILE 6
17205H200(1=HHT, 2=ARM CAV TP, 3=AIR CAV TP)

SUBUNIT 2

SYSTEM	QTY
1	9
2	20
3	1
4	3
11	1
94	1
123	1
125	2

TAPE 1
FILE 6
17285H200(1=[illegible]HT, 2=ARM CAV TP, 3=AIR CAV TP)

SUBUNIT	3
SYSTEM	QTY
20	10
21	7
22	9
55	1
77	1
95	1
99	1
122	2
123	4
125	2
127	6
154	2
156	1
157	1
159	3
164	3
165	2

```
TAPE                1
FILE                7
07015H020(1=HHC, 2=CSC, 3=RFL CO, 4=HHC BDE)

SUBUNIT             1
SYSTEM            QTY
 70                 3
 77                 7
 81                 1
 99                 1
 123                9
 125                11
 151                2
```

```
TAPE                1
FILE                7
07015H020(1=HHC, 2=CSC, 3=RFL CO, 4=HHC BDE)

SUBUNIT             2
SYSTEM            QTY
 25                 12
 27                 12
 77                 5
 94                 10
 123                11
 125                2
```

```
TAPE                1
FILE                7
07015H020(1=HHC, 2=CSC, 3=RFL CO, 4=HHC BDE)

SUBUNIT             3
SYSTEM            QTY
 25                 2
 27                 2
 77                 3
 123                3
 125                1
```

```
TAPE                1
FILE                7
07015H03(1=HHC; 2=CSC; 3=RFL CO; 4=HHC BDE)

SUBUNIT             4
SYSTEM             QTY
 77                 6
 78                 1
 99                 1
 133                15
 125                2
 128                2
 150                3
 151                1
```

TAPE 1
FILE 8
07045H030(1=HHC, 2=RFL CO(M), 3=CSC)

SUBUNIT 1

SYSTEM	QTY
2	6
3	5
12	2
70	1
77	4
81	1
83	5
92	2
94	1
100	1
123	8
125	11
131	5
151	2
152	4

TAPE 1
FILE 8
07045H030(1=HHC, 2=RFL CO(M), 3=CSC)

SUBUNIT 2

SYSTEM	QTY
2	16
5	3
8	2
11	1
123	4
125	2

```
TAPE                1
FILE                8
07345H030(1=HHC, 2=RFL CO(M), 3=CSC)

SUBUNIT             3
SYSTEM             QTY
 2                  5
 3                  1
 4                  4
 8                  15
 11                 1
 77                 1
 123                10
 125                2
```

```
TAPE                1
FILE                9
17035H010(1=HHC, 2=TK CO, 3=CSC)

SUBJNIT             1
SYSTEM             QTY
 2                  4
 3                  5
 12                 2
 13                 3
 70                 1
 77                 3
 78                 1
 81                 1
 92                 4
 94                 5
 99                 1
 100                1
 123                8
 125                14
 131                5
 151                2
 152                2
```

```
TAPE                1
FILE                9
17035H010(1=HHC, 2=TK CO, 3=CSC)

SUBUNIT             2
SYSTEM             QTY
 2                  1
 12                 1
 13                 17
 94                 1
 123                2
 125                2
```

```
TAPE                    1
FILE                    9
1?:35H610(1=:.IC, 2=TK CO, 3=CSC)

SUBUNIT                 3
SYSTEM                 QTY
  2                     5
  3                     1
  4                     4
  8                     3
  11                    1
  77                    1
  99                    2
  123                   8
  125                   2
```

```
TAPE                1
FILE                10
07300?500 1=ADA BN, 2=DIVARTY, 3=AVN BN, 4=ACAV SQ, 5=INF BDE(2), 6=HVY

SUBUNIT             1
SYSTEM             QTY
 2                  16
 3                  2
 7                  24
 8                  24
 11                 4
 66                 1
 71                 4
 78                 4
 79                 2
 95                 4
 99                 1
 123                39
 124                5
 125                22
 127                17
 132                23
 150                2
 151                5
 152                2
 167                8
 168                2
```

TAPE 1
FILE 10
07000Z500(1=-DA BN, 2=DIVARTY, 3=AVN BN, 4=ACAV SQ, 5=INF BDE(2), 6=HVY

SUBUNIT SYSTEM	QTY
2	6
3	4
6	4
9	4
12	1
36	54
38	18
56	7
58	9
67	2
70	4
71	13
77	61
78	18
80	8
94	32
96	3
99	3
100	1
120	48
122	12
123	117
124	23
125	66
128	2
129	13
150	14
151	9
152	2
153	2

```
TAPE                1
FILE                10
0700025000(1=ADA BN, 2=DIVARTY, 3=AVN BN, 4=ACAV SQ, 5=INF BDE(2), 6=HVY

SUBUNIT             3
SYSTEM             QTY
 20                 44
 21                 65
 22                 21
 45                 1
 46                 2
 48                 3
 49                 1
 55                 11
 62                 1
 67                 1
 71                 19
 80                 6
 89                 12
 91                 1
 93                 3
 94                 2
 95                 1
 99                 4
 122                4
 123                15
 124                40
 125                32
 127                14
 130                6
 151                3
 152                2
 154                12
 155                1
 156                7
 157                6
 158                1
 159                7
 161                6
 162                2
 163                3
 164                4
```

```
TAPE                1
FILE                10
0700CZ500(1=ADA BN, 2=DIVARTY, 3=AVN BN, 4=ACAV SQ, 5=INF BDE(2), 6=HVY

SUBUNIT             4
SYSTEM             QTY
 1                  9
 2                  20
 3                  1
 4                  3
 11                 1
 20                 30
 21                 25
 22                 27
 55                 3
 70                 2
 71                 2
 77                 5
 94                 5
 95                 3
 99                 3
 100                1
 122                6
 123                26
 124                3
 125                18
 127                19
 131                5
 150                3
 151                2
 152                2
 154                7
 156                3
 157                3
 159                9
 164                10
 165                6
```

```
TAPE                1
FILE                10
07000Z500(1=IDA BN, 2=DIVARTY, 3=AVN BN, 4=ACAV SQ, 5=INF BDE(2), 6=HVY

SUBUNIT             5
SYSTEM             QTY
 25                 54
 27                 54
 70                 9
 77                 69
 78                 1
 81                 3
 94                 30
 99                 4
 123                102
 125                50
 128                2
 150                3
 151                7
```

TRPE 1
FILE 10
0700:7500(1=MJR BN, 2=DIVARTY, 3=AVN BN, 4=ACAV SQ, 5=INF BDE(2), 6=HVY

SUBUNIT SYSTEM	QTY
2	71
3	12
4	8
5	9
8	24
11	5
12	7
13	54
25	18
27	18
70	5
77	36
78	2
81	3
83	5
92	6
94	19
99	5
100	2
123	96
125	59
128	2
131	10
150	3
151	7
152	6

```
TAPE              2
FILE              5
29001H000(1=HHC, 2=DMMC, 3=FIN CO, 4=AG CO)

SUBUNIT           1
SYSTEM          QTY
 71               5
 95               3
 123              4
 124              3
 125              2
 128              1
 130              1
 137              1
 151              2
 163              2
 171              1
 192              2
```

```
TAPE              2
FILE              6
29001H000(1=HHC, 2=DMMC, 3=FIN CO, 4=AG CO)

SUBUNIT           2
SYSTEM          QTY
 71               4
 94               5
 95               2
 125              1
 166              1
 170              2
 177              1
```

```
TAPE              2
FILE              6
29001H000(1=HHC, 2=DMMC, 3=FIN CO, 4=AG CO)

SUBUNIT           3
SYSTEM          QTY
 78               1
 123              2
 125              1
 162              1
```

```
TAPE                2
FILE                6
29001H000(1=HHC, 2=DMMC, 3=FIN CO, 4=AG CO)

SUBUNIT             4
SYSTEM             QTY
 94                 1
 95                 2
 96                 1
 123                4
 124                2
 125                1
 128                2
 151                1
 163                1
 170                1
 177                1
```

```
TAPE                2
FILE                7
29005H000(1=HHC, 2=S&S CO, 3=TMT CO)

SUBUNIT             1
SYSTEM            QTY
 123                5
 124                1
 125                2
 151                2
```

```
TAPE                2
FILE                7
29005H000(1=HHC, 2=S&S CO, 3=TMT CO)

SUBUNIT             2
SYSTEM            QTY
 71                 4
 78                 2
 99                 1
 123                2
 124                3
 125                7
 138                1
 155                1
 164                3
 186                1
 193                2
```

```
TAPE                2
FILE                7
29005H000(1=HHC, 2=S&S CO, 3=TMT CO)

SUBUNIT             3
SYSTEM            QTY
 46                 10
 71                 1
 99                 2
 123                5
 125                63
 127                5
 138                10
```

```
TAPE                2
FILE                8
29015H000(1=HLMC, 2=HV MAINT, 3=FWD SPT, 4=MSL SPT)

SUBUNIT             1
SYSTEM            QTY
 48                 2
 71                 3
 78                 4
 89                 2
 96                 3
 99                 1
 102                3
 123                5
 124                3
 125                6
 130                9
 135                9
 151                2
 162                3
 163                3
 170                2
 172                1
 173                1
 194                2
 195                2
```

```
TAPE                2
FILE                8
29015H000(1=HLMC, 2=HV MAINT, 3=FWD SPT, 4=MSL SPT)

SUBUNIT             2
SYSTEM            QTY
 12                 1
 48                 1
 71                 1
 78                 14
 95                 8
 99                 2
 123                3
 124                2
 125                23
 135                1
 141                2
 162                1
 163                2
 172                1
 175                2
 198                1
 199                2
 200                1
```

TAPE 2
FILE 8
29015H000(1=HLMC, 2=HV MAINT, 3=FWD SPT, 4=MSL SPT)

SUBUNIT	3
SYSTEM	QTY
11	1
59	1
95	7
99	1
123	3
124	1
125	12
130	2
135	3
140	5
151	2
162	3
163	1
164	1
172	3
175	2
198	1
199	2

TAPE 2
FILE 8
29015H000(1=HLMC, 2=HV MAINT, 3=FWD SPT, 4=MSL SPT)

SUBUNIT	4
SYSTEM	QTY
48	1
71	12
78	6
79	5
80	2
94	1
96	1
99	1
123	2
124	9
125	8
130	2
135	2
162	2
168	3
195	1
196	2
197	1

```
TAPE                2
FILE                9
08035H000(1=HSC, 2=MED CO)

SUBUNIT             1
SYSTEM             QTY
 66                 8
 99                 1
 123                10
 124                6
 125                13
 151                1
 152                2
```

```
TAPE                2
FILE                9
08035H000(1=HSC, 2=MED CO)

SUBUNIT             2
SYSTEM             QTY
 66                 8
 123                4
 124                1
 125                7
 151                1
 152                2
```

TAPE 2
FILE 10
05155H710(1=HHC, 2=ENG CO, 3=BRG CO)

SUBUNIT	
SYSTEM	QTY
12	1
61	1
67	1
71	4
77	6
78	1
80	1
92	1
94	2
95	1
100	1
123	8
124	3
131	3
134	6
135	1
136	3
150	3
151	1
152	3
164	1
175	1
178	1
179	1
180	2
181	5
182	1
183	1
185	1
187	4
188	3

TAPE 2
FILE 10
05155H710(1=HHC, 2=ENG CO, 3=BRG CO)

SUBUNIT	2
SYSTEM	QTY
77	4
87	13
123	1
125	3
136	2
149	3
151	1
169	9
179	1
184	1
186	2
188	2
189	1

TAPE 2
FILE 10
05155H710(1=HHC, 2=ENG CO, 3=BRG CO)

SUBUNIT	3
SYSTEM	QTY
10	4
77	1
78	4
80	2
100	1
123	6
125	5
136	3
151	1
165	40
169	4
175	1
179	2
180	1
188	1
190	2
191	12

```
TAPE              2
FILE              11
19017H710(MP CO),03087H700(NBC DEF CO)

SUBUNIT           1
SYSTEM           QTY
 123              49
 124              6
 125              1
```

```
TAPE              2
FILE              11
19017H710(MP CO),03087H700(NBC DEF CO)

SUBUNIT           2
SYSTEM           QTY
 71               1
 80               9
 91               1
 99               1
 123              13
 125              11
```

TAPE 2
FILE 12
11035H000(1=HHC, 2=CMD OP, 3=FWD COMMO, 4=SIG SPT)

SUBUNIT 1

SYSTEM	QTY
78	8
80	2
99	1
123	7
124	6
125	7
160	3
162	4
163	1

TAPE 2
FILE 12
11035H000(1=HHC, 2=CMD OP, 3=FWD COMMO, 4=SIG SPT)

SUBUNIT 2

SYSTEM	QTY
71	37
78	7
123	9
124	6
125	3
150	32
160	3
162	2

```
TAPE                2
FILE                12
11035H000(1=HHC, 2=CMD OP, 3=FWD COMMO, 4=SIG SPT)

SUBUNIT             3
SYSTEM             QTY
 71                 27
 77                 13
 94                 3
 123                4
 125                5
 150                30
```

```
TAPE                2
FILE                12
11035H000(1=HHC, 2=CMD OP, 3=FWD COMMO, 4=SIG SPT)

SUBUNIT             4
SYSTEM             QTY
 71                 28
 78                 3
 94                 2
 123                4
 124                3
 125                9
 150                26
 160                1
 162                1
```

```
TAPE                3
FILE                1
CURRENT INF DIV(07000Z000, -1 INF BN)

SUBUNIT             1
SYSTEM             QTY
 1                  9
 2                  113
 3                  19
 4                  11
 5                  9
 6                  4
 7                  24
 8                  48
 9                  4
 10                 4
 11                 13
 12                 10
 13                 54
 20                 74
 21                 90
 22                 48
 25                 126
 27                 126
 36                 54
 38                 18
 45                 1
 46                 12
 48                 7
 49                 1
 55                 14
 56                 7
 58                 9
 59                 3
 61                 1
 62                 3
 66                 33
 67                 6
 70                 29
 71                 188
 77                 272
 78                 93
 79                 7
 80                 31
 81                 9
 83                 5
```

```
TAPE                3
FILE                1
CURRENT INF DIV(07000Z000, -1 INF BN)

SUBUNIT             1
CONTINUED

SYSTEM             QTY
 87                 39
 89                 14
 91                 2
 92                 7
 93                 3
 94                 132
 95                 45
 96                 15
 99                 39
 100                6
 102                3
 120                48
 122                22
 123                749
 124                155
 125                480
 127                55
 128                11
 129                13
 130                24
 131                18
 132                25
 133                3
 134                6
 135                22
 136                12
 137                1
 138                11
 140                15
 141                2
 149                9
 150                140
 151                64
 152                27
 153                2
 154                20
 155                3
 156                10
 157                9
 158                1
```

```
TAPE                3
FILE                1
CURRENT INF DIV(07000Z000, -1 INF BN)

SUBUNIT             1
CONTINUED

SYSTEM            QTY
 159               16
 160                8
 161                6
 162               43
 163               16
 164               21
 165               46
 166                1
 167                8
 168                5
 169               31
 170                5
 171                1
 172               17
 173                1
 174                3
 175               12
 176                2
 177                2
 178                1
 179                6
 180                3
 181                5
 182                1
 183                1
 184                3
 185                1
 186                7
 187                4
 188               10
 189                3
 190                2
 191               12
 192                2
 193                2
 194                2
 195                3
 196                2
 197                1
 198                4
```

```
TAPE              3
FILE              1
CURRENT INF DIV(07000Z000, -1 INF BN)

SUBUNIT           1
CONTINUED

SYSTEM          QTY
 199             8
 200             1
```

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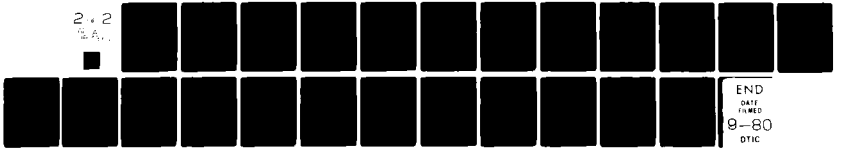
RELATIVE AIRLIFT PROJECTION - INFANTRY DIVISIONS (RAPID MODEL).(U)
APR 80 J A PAULUS

UNCLASSIFIED CASAA-TP-1-80 NL



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9-80
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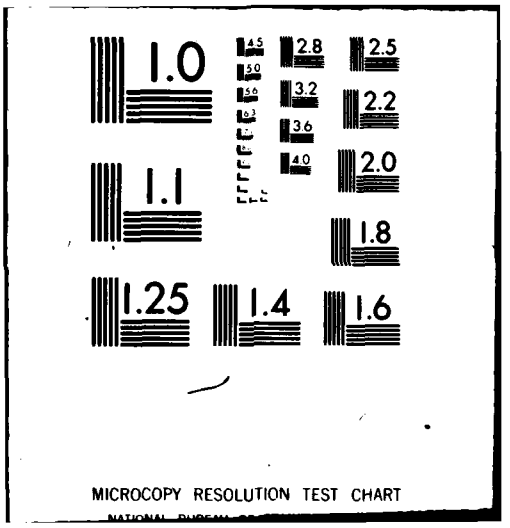
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2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART

```
TAPE              3
FILE              2
CURRENT INF DIV(07000Z000, -1 INF BN,-ACAV,-AVN BN)

SUBUNIT           1
SYSTEM          QTY
 2               93
 3               18
 4                8
 5                9
 6                4
 7               24
 8               48
 9                4
 10               4
 11              12
 12              10
 13              54
 25             126
 27             126
 36              54
 38              18
 46              10
 48               4
 56               7
 58               9
 59               3
 61               1
 62               2
 66              33
 67               5
 70              27
 71             167
 77             267
 78              93
 79               7
 80              25
 81               9
 83               5
 87              39
 89               2
 91               1
 92               7
 94             125
 95              41
 96              15
```

```
TAPE                3
FILE                2
CURRENT INF DIV(07000Z000, -1 INF BN,-ACAV,-AVN BN)

SUBUNIT             1
CONTINUED

SYSTEM             QTY
 99                 32
 100                5
 102                3
 120                48
 122                12
 123                708
 124                112
 125                430
 127                22
 128                11
 129                13
 130                18
 131                13
 132                25
 133                3
 134                6
 135                22
 136                12
 137                1
 138                11
 140                15
 141                2
 149                9
 150                137
 151                59
 152                23
 153                2
 154                1
 155                2
 160                8
 162                41
 163                13
 164                7
 165                40
 166                1
 167                8
 168                5
 169                31
 170                5
 171                1
```

```
TAPE                3
FILE                2
CURRENT INF DIV(07000Z000, -1 INF BN,-ACAV,-AVN BN)

SUBUNIT             1
CONTINUED

SYSTEM             QTY
 172                17
 173                 1
 174                 3
 175                12
 176                 2
 177                 2
 178                 1
 179                 6
 180                 3
 181                 5
 182                 1
 183                 1
 184                 3
 185                 1
 186                 7
 187                 4
 188                10
 189                 3
 190                 2
 191                12
 192                 2
 193                 2
 194                 2
 195                 3
 196                 2
 197                 1
 198                 4
 199                 8
 200                 1
```

APPENDIX B

ANNEX II

INCLOSURE c.

OBJECTIVE INFANTRY DIVISION UNITS

```
TAPE                4
FILE                1
OBJ ID86(1=HHC MOB BDE,2=MOB BN)(3/15/80)

SUBUNIT             1
SYSTEM             QTY
 28                 6
 29                 5
 123                5
 124                3
 125                3



TAPE                4
FILE                1
OBJ ID86(1=HHC MOB BDE,2=MOB BN)(3/15/80)

SUBUNIT             2
SYSTEM             QTY
 28                 55
 29                 50
 99                 4
 125                19
 127                3
```

```
TAPE                4
FILE                2
OBJ ID86(1=HHC INF BDE,2=INF BN)(3/15/80)

SUBUNIT             1
SYSTEM             QTY
 28                 8
 29                 5
 123                5
 124                5
 125                3
 127                27
```

```
TAPE                4
FILE                2
OBJ ID86(1=HHC INF BDE,2=INF BN)(3/15/80)

SUBUNIT             2
SYSTEM             QTY
 28                 71
 29                 6
 99                 1
 125                17
 127                1
```

```
TAPE                4
FILE                3
OBJ ID86(1=HHC,2=FWD SPLY,3=FWD MAINT,4=FWD MED)(3/15/80)

SUBUNIT             1
SYSTEM             QTY
 123                2
 124                5
 125                1
 150                2
 163                1
```

```
TAPE                4
FILE                3
OBJ ID86(1=HHC,2=FWD SPLY,3=FWD MAINT,4=FWD MED)(3/15/80)

SUBUNIT             2
SYSTEM             QTY
 78                 2
 80                 2
 91                 2
 123                2
 124                3
 125                3
 140                3
 151                2
 164                5
 198                3
```

```
TAPE                4
FILE                3
OBJ ID86(1=HHC,2=FWD SPLY,3=FWD MAINT,4=FWD MED)(3/15/80)

SUBUNIT             3
SYSTEM             QTY
 71                 6
 78                 8
 79                 1
 80                 10
 95                 6
 99                 10
 123                3
 124                3
 125                12
 151                1
 163                7
 185                5
 194                1
 198                1
```

```
TAPE                4
FILE                3
OBJ ID86(1=HHC,2=FWD SPLY,3=FWD MAINT,4=FWD MED)(3/15/80)

SUBUNIT             4
SYSTEM             QTY
 28                 8
 123                4
 124                1
 125                7
```

```
TAPE                4
FILE                4
OBJ ID86(1=HHC,2=MED SPT CO)(3/15/80)

SUBUNIT             1
SYSTEM             QTY
 123                6
 124                3
 125                5



TAPE                4
FILE                4
OBJ ID86(1=HHC,2=MED SPT CO)(3/15/80)

SUBUNIT             2
SYSTEM             QTY
 28                 8
 97                 1
 123                4
 124                3
 125                8
```

```
TAPE                4
FILE                5
OBJ ID86(1=HHC,2=DMMC,3=AG,4=NBC)(3/15/80)

SUBUNIT             1
SYSTEM             QTY
 71                 2
 95                 3
 123                1
 124                7
 125                3
 128                1
 133                1
 137                1
 163                2
 171                1
 192                2
```

```
TAPE                4
FILE                5
OBJ ID86(1=HHC,2=DMMC,3=AG,4=NBC)(3/15/80)

SUBUNIT             2
SYSTEM             QTY
 58                 16
 77                 1
 95                 2
 96                 2
 123                9
 125                1
 163                5
```

```
TAPE                4
FILE                5
OBJ ID86(1=HHC,2=DMMC,3=AG,4=NBC)(3/15/80)

SUBUNIT             3
SYSTEM             QTY
 49                 2
 71                 5
 78                 1
 94                 4
 96                 1



TAPE                4
FILE                5
OBJ ID86(1=HHC,2=DMMC,3=AG,4=NBC)(3/15/80)

SUBUNIT             4
SYSTEM             QTY
 28                 20
 77                 1
 78                 12
 91                 9
 99                 1
```

```
TAPE              4
FILE              6
OBJ ID86(1=HLMC,2=HVY MAINT,3=MSL SPT)(3/15/80)

SUBUNIT           1
SYSTEM          QTY
 71               2
 78               5
 80              47
 89               2
 99               1
 123              5
 124              4
 125              5
 151              1
 163              6
 170              1
 185              4
 194              2
```

```
TAPE              4
FILE              6
OBJ ID86(1=HLMC,2=HVY MAINT,3=MSL SPT)(3/15/80)

SUBUNIT           2
SYSTEM          QTY
 47               2
 71              10
 78               8
 80               5
 95              10
 99               1
 123              2
 124              5
 125             22
 151              1
 163              3
 198              1
```

```
TAPE                4
FILE                6
OBJ ID86(1=HLMC,2=HVY MAINT,3=MSL SPT)(3/15/80)

SUBUNIT             3
SYSTEM            QTY
 71                 10
 79                 7
 91                 7
 94                 1
 96                 1
 99                 1
 123                2
 125                6
 127                2
 130                3
 135                3
 162                1
 163                5
 164                1
 168                3
 185                1
 196                2
 197                3
```

```
TAPE                4
FILE                7
OBJ ID86(1=S&S,2=HHC,3=TMT)(3/15/80)

SUBUNIT             1
SYSTEM            QTY
 123                2
 124                2
 125                2
 127                3
 138                5
 140                9
 164                5
 186                1



TAPE                4
FILE                7
OBJ ID86(1=S&S,2=HHC,3=TMT)(3/15/80)

SUBUNIT             2
SYSTEM            QTY
 78                 2
 99                 1
 123                5
 124                5
 125                3
 151                2



TAPE                4
FILE                7
OBJ ID86(1=S&S,2=HHC,3=TMT)(3/15/80)

SUBUNIT             3
SYSTEM            QTY
 46                10
 80                31
 123                3
 138               10
```

```
TAPE              4
FILE              8
OBJ ID86(1=CEWI BN,2=MP CO,3=SIG BN,4=ADA BN,5=ENG BN,6=DIVARTY)(3/15/80

SUBUNIT           1
SYSTEM          QTY
 71              21
 94              52
 99              1
 125             25
 127             2
```

```
TAPE              4
FILE              8
OBJ ID86(1=CEWI BN,2=MP CO,3=SIG BN,4=ADA BN,5=ENG BN,6=DIVARTY)(3/15/80

SUBUNIT           2
SYSTEM          QTY
 28              38
 124             3
 125             1
```

```
TAPE              4
FILE              8
OBJ ID86(1=CEWI BN,2=MP CO,3=SIG BN,4=ADA BN,5=ENG BN,6=DIVARTY)(3/15/80

SUBUNIT           3
SYSTEM          QTY
 123             26
 124             89
 125             55
 127             8
```

```
TAPE                4
FILE                8
OBJ ID86(1=CEWI BN,2=MP CO,3=SIG BN,4=ADA BN,5=ENG BN,6=DIVARTY)(3/15/80

SUBUNIT             4
SYSTEM             QTY
 7                  8
 28                 95
 40                 16
 77                 4
 78                 16
 99                 3
 123                50
 124                9
 125                21
 126                2
 127                15
```

```
TAPE                4
FILE                8
OBJ ID86(1=CEWI BN,2=MP CO,3=SIG BN,4=ADA BN,5=ENG BN,6=DIVARTY)(3/15/80

SUBUNIT             5
SYSTEM             QTY
 6                  4
 19                 14
 80                 30
 91                 2
 96                 1
 99                 1
 123                21
 124                9
 125                5
 147                24
 148                4
 164                1
 181                4
 186                11
 198                2
```

```
TAPE              4
FILE              8
OBJ ID86(1=CEWI BN,2=MP CO,3=SIG BN,4=ADA BN,5=ENG BN,6=DIVARTY)(3/15/80

SUBUNIT           6
SYSTEM          QTY
 18               9
 28               9
 29               6
 38              72
 99               4
 123            168
 124            100
 125             90
 127            134
 130             18
```

```
TAPE                4
FILE                9
OBJ ID96(DIV HHC)(3/15/80)

SUBUNIT             1
SYSTEM             QTY
 28                 14
 29                 11
 123                10
 124                9
 125                7
```

```
TAPE                4
FILE                10
OBJ !DS6(-AVN/RECON,-BDE SPT BNS,+3 MED CO,+3 MAINT CO)(3/25/80)

SUBUNIT             1
SYSTEM              QTY
 6                  4
 7                  8
 18                 9
 19                 14
 28                 766
 29                 168
 38                 72
 40                 16
 46                 10
 47                 2
 49                 2
 58                 16
 71                 68
 77                 6
 78                 68
 79                 10
 80                 143
 89                 2
 91                 18
 94                 57
 95                 33
 96                 5
 97                 1
 99                 58
 123                350
 124                273
 125                465
 126                2
 127                230
 128                1
 130                21
 133                1
 135                3
 137                1
 138                15
 140                9
 147                24
 148                4
 151                7
 162                1
```

TAPE 4
FILE 10
OBJ ID86(-AVN/RECON,-BDE SPT BNS,+3 MED CO,+3 MAINT CO)(3/25/80)

SUBUNIT 1
CONTINUED

SYSTEM	QTY
163	42
164	7
168	3
170	1
171	1
181	4
185	20
186	12
192	2
194	5
196	2
197	3
198	6

APPENDIX B

ANNEX II

INCLOSURE d.

AUTOLOAD RAPID DIVISIONS

NOTE: These were the forces as configured for the final analysis. Note they have had the trailers taken off and helicopters and V150 for the reconnaissance elements have been added, as explained in the analysis report.

TAPE 5
FILE 2
CURRENT INF DIV(07000Z000,-INF BN,-ACAV,-AVN BN)(LESS TRLS)

SYSTEM	QTY
1	9
2	113
3	19
4	11
5	9
6	4
7	24
8	48
9	4
10	4
11	12
12	10
13	54
20	74
21	93
22	48
25	126
27	126
36	54
38	18
46	10
48	4
61	1
66	33
67	5
70	27
71	279
77	292
78	571
79	7
80	59
81	22
83	18
87	45
89	2
91	1
92	7
94	833
95	52
96	18

TAPE 5
FILE 2
CURRENT INF DIV(070002000,-INF BN,-ACAV,-AVN BN)(LESS TRLS)
CONTINUED

SYSTEM	QTY
99	32
100	5
102	3
130	18
135	22
136	12
137	1
138	11
140	15
141	2
164	7
167	8
171	1
173	1
175	12
177	2
178	1
180	3
181	5
184	3
186	7
187	4
188	10
189	3
191	12
194	2
197	1
198	4
199	8
200	1

TAPE 5
FILE 4
OBJ ID86(-AVN/RECON,-BDE SPT BNS,+3MED,+3MAINT)(LESS TRLS)(3/20/80)

SYSTEM	QTY
6	4
7	8
18	9
19	14
20	60
22	48
23	56
28	766
29	216
38	72
40	16
46	10
47	2
49	2
71	341
77	6
78	533
79	10
80	375
89	2
91	18
94	407
95	34
96	5
97	1
99	58
130	21
133	1
135	3
137	1
138	15
140	9
147	24
148	4
164	7
171	1
181	4
186	12
194	5
197	3
198	6